



Econometrics and Data Science

Vrije Universiteit Amsterdam - School of Business and Economics - Econometrics and Data Science - 2024-2025

In Econometrics and Data Science (EDS) you will learn the core methods of econometrics, computer science, and statistics and you'll learn about the ethical aspects of data science.

During the first year you will primarily focus on the foundations of mathematics, programming, probability theory and statistics, combined with economics and finance.

In the second year you will deepen your knowledge of each of the three areas of EDS: econometrics, computer science, and statistics.

In the first semester of the third year, you will have complete freedom of choice (called the minor). You can opt for a minor within or outside the faculty, an internship, or a period abroad. In the second semester, you will deepen your knowledge by choosing specialized courses in Econometrics, Machine Learning, or contemporaneous Data Science fields.

On top of this, excellent and ambitious students are also given the option to follow an additional Honours programme.

Info

Niveau	Bachelor
Taal	Nederlands / Engels
Duur	3 jaar
Vorm	Voltijd
Studiepunten	0 EC
Faculteit	School of Business and Economics

[Onderwijs- en Examenregeling 2024-2025](#)

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First year Econometrics and Data Science

Omschrijving

The first year of the study consists of compulsory courses (total 60 EC). In addition, an English Language test is mandatory.

During the first year a mentor is at your disposal, who you can help you find your way around the university, and if you need, to bring in contact with senior students, study advisors or others supervisors to help you acquiring study skills.

The final mark for the course Data Analysis I will be awarded after the conditions of the Language Test are met.

A binding recommendation of continuing of studies (BSA) applies in the first year. This means that you must have achieved at least 42 credits at the end of the year. See VUnet for more information.

Vakken

Naam vak	Periode	Credits	Code
SAM Programme EOR/EDS *	Ac. Year (sept)	0.00EC	E_EOR1_SAM
English Language Test	P1	0.00EC	VU_ELT
Analysis I	P1+2	6.00EC	X_400641
Introduction to Data Science	P1+2	6.00EC	E_EDS1_IDS
Introduction to Programming	P1+2	6.00EC	XB_0099
Linear Algebra	P1+2	6.00EC	X_400638
Data Analysis I	P3	6.00EC	E_EDS1_DA1
Macroeconomics I	P4	6.00EC	E_EBE1_MACEC
Analysis II	P4+5	6.00EC	X_400642
Statistics	P4+5	6.00EC	E_EOR1_STAT
Finance I	P5	6.00EC	E_EBE1_FIN1
Academic Skills: Probability and Inference	P6	6.00EC	E_EOR1_ACSK

Second year Econometrics and Data Science

Omschrijving

The second year of the study consists of compulsory courses (total 60 EC).

Notes:

- The course Data Science Practical (period 3) has the following entry requirement: a final grade of at least 5,5 must be credited to Data Structures and Algorithms (period 1), OR a partial grade of at least 5,5

must be credited to Econometrics I (period 1+2) or Numerical Methods (period 1+2).

- In order to be allowed to start a BSc thesis trajectory in year 3 and to be assigned a supervisor, you must have obtained at least 120 ECTS. No exceptions are made to this rule. You cannot start the MSc program without a completed BSc thesis.

- In making choices within your bachelor's degree, please take into account the admission requirements for the master's degree that you may want to follow after your bachelor's. You can take a look at the admission requirements for each SBE master's program at masters.vu.nl. An overview of specific courses that count as entry requirements can be found via the introduction page of this study guide.

Vakken

Naam vak	Periode	Credits	Code
Data Structures and Algorithms	P1	6.00EC	E_EDS2_DSA
Econometrics I	P1+2	6.00EC	E_EOR2_TR1
Numerical Methods	P1+2	6.00EC	E_EOR2_NUME
Database Fundamentals and Applications	P2	6.00EC	E_EDS2_DFA
Data Science Practical	P3	6.00EC	E_EDS2_DSPL
Multivariate Statistics	P4	6.00EC	E_EDS2_MS
Econometrics II	P4+5	6.00EC	E_EOR2_TR2
Ethics	P4+5	6.00EC	E_EOR2_ETH
Data Science Methods	P5	6.00EC	E_EDS2_DSM
Data Science Project	P6	6.00EC	E_EDS2_DSPT

Third year Econometrics and Data Science

Omschrijving

The third year focuses on the one hand on completing your study and further integration and deepening of the knowledge that you acquired in the first two years. On the other hand, it is a preparation for following a master's degree, either at this School or elsewhere.

In the first semester you can choose a minor (30 EC) (or a different interpretation of the free electives, with permission of the Exam Board). The second semester contains two obligatory courses, one elective, and a thesis.

At masters.vu.nl you will find the admission requirements of all master programmes. At the introduction page of this study guide you will find a

link to the specific courses that count as entry requirement for the SBE master programmes.

Opleidingsdelen

- [EDS Year 3 Obligatory Courses](#)
- [EDS year 3 elective courses](#)
- [Third year EOR/EDS minor](#)

EDS Year 3 Obligatory Courses

Omschrijving

Below are the obligatory courses.

Vakken

Naam vak	Periode	Credits	Code
Thesis Econometrics and Data Science	Ac. Year (sept)	12.00EC	E_EDS3_TEDS

EDS year 3 elective courses

Omschrijving

Choose 3 courses from the list.

Vakken

Naam vak	Periode	Credits	Code
Advanced Simulation for Finance, Economics and Business	P4	6.00EC	E_EOR3_ASFEB
Econometrics III	P4	6.00EC	E_EOR3_TR3
Machine Learning for Econometrics and Data Science	P4	6.00EC	E_EDS3_MLEDS
Differential Privacy and Statistical Inference under Differential Privacy	P5	6.00EC	E_EOR3_DP
Digital Marketing and Metrics	P5	6.00EC	E_EBE3_DMM
Fair, Transparent and Interpretable Machine Learning	P5	6.00EC	E_EOR3_FML
Financial Econometrics	P5	6.00EC	E_EOR3_FTR

Third year EOR/EDS minor

Omschrijving

Within the first semester of the third year you can choose a minor of your preference. Each minor consists of five courses of 6 EC each. You have the choice between a Faculty minor, a University minor, or an Educational minor (the Education minor is lectured in Dutch). Note that students EOR/EDS h are not allowed to participate the university minor Economics.

Instead of taking a prescribed minor, you can also construct your own package of subjects; however, this package must be approved in advance by the Examination Board.

Instead of a minor you may also choose to study abroad, provided that

you have permission from the Examination Board. For more information take a look at <https://vu.nl/en/student/studying-abroad>

Opleidingsdelen

- [Faculty Minors SBE](#)
- [University Minors EOR](#)
- [Education Minor EOR](#)

Faculty Minors SBE

Omschrijving

Underneath the minors that have been developed by the School.

Opleidingsdelen

- [Minor Accountancy](#)
- [Minor Decision Making in Business and Society](#)
- [Minor Entrepreneurship](#)
- [Minor Health Care Management](#)
- [Minor Real Estate Economics and Finance](#)
- [Minor Risk Management for Financial Institutions](#)
- [Minor Applied Econometrics: A Big Data Experience for All](#)
- [Minor E-Business and Online Commerce](#)
- [Minor Sustainability: Management and Innovation](#)

Minor Accountancy

Omschrijving

De belangrijkste rol van een accountant is om 'vertrouwen' toe te voegen aan informatie die onder verantwoordelijkheid van het management wordt gegenereerd. Dit is een sleutelrol voor de geglobaliseerde omgeving waarin we leven. Een accountant is de poortwachter van de financiële integriteit van de samenleving. In onze minor Accountancy leer je de basis van de dagelijkse praktijk van een accountant. Je leert begrijpen hoe een accountant de betrouwbaarheid van informatie beoordeelt.

Aangezien informatie een cruciaal element is in het besturen van een organisatie, geeft deze minor je inzicht in de manier waarop bedrijven de verschillende informatiestromen in Enterprise Resource Planning (ERP-) systemen beheren, de manier waarop ze daarover rapporteren. Daarnaast krijg je inzicht in hoe bedrijven binnen de belastingregels hun inkomsten optimaliseren.

Deze minor bevat niet alleen theorievakken maar ook een stage van acht weken bij een accountantsorganisatie. Alle vakken en de stage zijn verplicht. Het werken voor een accountantsorganisatie geeft je een unieke kans om een duidelijk beeld te krijgen van het werk van een accountant. Je maakt deel uit van een controleteam dat een (financiële) audit uitvoert bij een klant. Ervaar de dynamische omgeving waarin een accountant werkt volgens de hoogste standaarden.

Deze minor wordt grotendeels in het Nederlands aangeboden.

Deze minor is alleen als compleet pakket van 30EC te volgen. De vakken binnen deze minor zijn niet als individueel keuzevak beschikbaar in keuzeruimtes of een vrije minor.

Aanmelden voor deze minor gaat via:

<https://vu.nl/nl/onderwijs/minor/accountancy/toelating>

Intekenen

Deze minor is voor universitaire studenten van vrijwel alle studierichtingen die inzicht willen krijgen in de principes van een financiële controle en daadwerkelijk werkervaring willen opdoen bij een accountantsorganisatie. Wel vragen we dat je minimaal VWO wiskunde A of B hebt gehad, dan wel een equivalent hiervan. Daarnaast moet je affiniteit hebben met bedrijfseconomie.

Minimaal 90 ECTS behaald binnen één universitaire bacheloropleiding.

Opleidingsdelen

- [Kernvakken minor Accountancy](#)
- [Keuzevakken minor Accountancy](#)

Kernvakken minor Accountancy

Omschrijving

Deze vakken en stage zijn verplicht.

Vakken

Naam vak	Periode	Credits	Code
Belastingrecht 1	P1, P4	6.00EC	EPG_A_BR1
Work Experience @Accountancy	P1+2	12.00EC	EPG_A_WEA
Corporate Governance, Risk Management & Internal Control	P3	6.00EC	EPG_A_CG

Keuzevakken minor Accountancy

Omschrijving

Kies 1 van de 2 keuzevakken.

Vakken

Naam vak	Periode	Credits	Code
Voortgezet Boekhouden	P1+2, P4+5	6.00EC	EPG_A_VBH
ERP-systemen	P2, P6	6.00EC	EPG_A_ERPS

Minor Decision Making in Business and Society

Omschrijving

The Department of Marketing offers this SBE minor in collaboration with the department of Management and Organization Studies in the fall semester (September-January) starting in the academic year 2016-2017.

The 30 EC programme is entirely taught in English and will allow students to understand and influence human decision making and behavior in the context of organizations and their interactions with the world outside (markets and consumers, but also business partners and competitors). To achieve this goal, we rely on recent insights from behavioral economics and psychology.

Upon completion of this minor, students will be able to:

- Understand how decisions and behavior are influenced by the physical and social environments and the decision making strategies that are used.
- Based on this knowledge, develop strategies to influence (e.g., through "nudging") the behavior of others in order to achieve business and societal goals, such as increasing sales or reducing environmental pollution.
- Analyze historical and every day examples of leadership in order to improve (your own) leadership skills and the output of teams and organizations
- Apply negotiation strategies to achieve optimal results in terms of outcomes (distributive negotiations) and relationships among parties involved (integrative negotiations).
- Reflect on the ethical aspects of such influence strategies

The minor is relevant to:

- All students in Business Administration and Economics
- All students from other bachelor programmes that are interested in decision making and influencing other people's behavior (e.g. health science, communication science, psychology, social sciences).

This minor contains 5 compulsory courses. You may also opt for an internship in period 1 and 2, or in period 2 and 3.

If you choose to do the internship in period 1 and 2, you will follow the following courses:

- Judgment and Decision Making (p1)
- Nudge: Influencing Behavior (p2)
- Designing Interventions in Business and Society (p3)

If you choose to do the internship in period 2 and 3, you will follow the following courses:

- Judgment and Decision Making (p1)
- Leadership: Mobilizing People (p1)
- Nudge: Influencing Behavior (p2)

Note that the internship has to be approved by the minor coordinator in advance.

Intekenen

Obtained at least 90 EC in a Bachelor's programme.

Vakken

Naam vak

Periode

Credits

Code

Naam vak	Periode	Credits	Code
Judgment and Decision Making	P1	6.00EC	E_MFDM_JDM
Leadership: Mobilizing People	P1	6.00EC	E_MFDM_LMP
Internship Minor Decision Making in Business and Society	P1+2, P2+3	12.00EC	E_MFDM_IMDM
Managing Negotiations: Getting to Yes	P2	6.00EC	E_MFDM_MNGY
Nudge: Influencing Behavior	P2	6.00EC	E_MFDM_NIB
Designing Interventions in Business and Society	P3	6.00EC	E_MFDM_DIBS

Minor Entrepreneurship

Omschrijving

In SBE's minor in entrepreneurship, students not only study entrepreneurs but also become entrepreneurs. This minor is an exciting set of carefully selected courses that are designed to offer students fundamental knowledge about entrepreneurship in different contexts and enhance their entrepreneurial skill sets. The knowledge students gain from this minor is extremely valuable in today's labor markets, because career success increasingly depends on students' capacity to be proactive, promote change, and pursue new entrepreneurial initiatives that create economic and/or social value. Specifically, completing the minor will allow students to better appreciate the different forms of entrepreneurship across various contexts, understand the distinct challenges faced by entrepreneurs, and find creative solutions for overcoming these challenges. Indeed, both startup and corporate entrepreneurs often struggle to launch and grow new business ventures such that knowledge about how to successfully develop new entrepreneurial initiatives is essential to any student. So if you are thinking about becoming an entrepreneur, this is definitely the minor for you. But also if you do not have plans to go in that direction, this minor is worthwhile because knowledge of entrepreneurship is critical to anyone who interacts in significant ways with entrepreneurs including managers in large established firms, consultants, bankers, and government policy makers.

This minor contains 5 compulsory courses. Instead of the courses Entrepreneurial Strategy and New Venture Creation you may choose to do an

internship. Note that the internship has to be approved by the minor coordinator in advance.

Intekenen

Obtained at least 90 EC in a Bachelor's programme

Vakken

Naam vak	Periode	Credits	Code
Foundations and Forms of Entrepreneurship	P1	6.00EC	E_MFEN_FFE
Sustainable Entrepreneurship	P1	6.00EC	E_MFEN_SE
Internship Minor Entrepreneurship	P1+2, P2+3	12.00EC	E_MFEN_IMENT
Enterprising Behavior	P2	6.00EC	E_MFEN_ENTB
Entrepreneurial Strategy	P2	6.00EC	E_MFEN_ES
New Venture Creation	P3	6.00EC	E_MFEN_NVC

Minor Health Care Management

Omschrijving

De minor Health Care Management is een gezamenlijk programma van de School of Business and Economics (SBE) en de Faculteit der Aarde en Leven Wetenschappen (FALW). Het staat open voor alle bachelorstudenten van de VU, van andere Nederlandse universiteiten en van buitenlandse universiteiten.

Deze minor behandelt het zorgbeleid vanuit een economisch perspectief en houdt zich bezig met het beheer van zorginstellingen, gebruikmakend van economische, organisatie, boekhoudkundige en financiële theorieën en methoden. Het biedt studenten economie en bedrijfswetenschappen de gelegenheid om gebruik te maken economische en organisatie theorieën waardoor ze zich kunnen verdiepen kennis over de cure en care sector. De minor is ook zinvol voor studenten van andere faculteiten die zorgvraagstukken vanuit een ander perspectief hebben bestudeerd zoals geneeskunde, sociale wetenschappen, levenswetenschappen en gedrags- en bewegingswetenschappen. De minor kan bijzonder nuttig zijn voor die studenten die overwegen om in beleidsontwikkeling te werken of leidinggevende functies binnen de zorgsector. De minor heeft betrekking op twee grote VU-thema's: Human & Life Sciences en Professional Services.

De minor richt zich op de volgende thema's:

- De economische effecten van gezondheid, ziekte, demografische ontwikkelingen en veroudering.
- De rol van overheidsingrijpen in de zorgmarkt, positieve en negatieve economische implicaties van regelgeving.
- Opzet en werking van zorg- en kuurmarkten, en de manier waarop gezondheid zorgaanbod voldoet aan zorgvraag.
- De rol van zorgverzekeringen bij het beïnvloeden van het zorgaanbod.
- Beleidsvraagstukken rondom zorgregulering, de toegankelijkheid, betaalbaarheid en kwaliteit van zorg.
- Financieel management van zorginstellingen in hun streven naar productiviteit, kosteneffectiviteit en kwaliteit van de gezondheidszorg.
- Management van zorgorganisaties, de rol van management in het aansturen van professionals, leiderschap en communicatie.

De minor stelt studenten in staat om de effectiviteit van de gezondheidszorgbeleid te analyseren ,om complexe vraagstukken over finance & control te analyseren, en de interne bedrijfsvoering binnen zorgorganisaties.te verbeteren.

De minor bevat 5 verplichte vakken.

Intekenen

Let op: Het eerste vak van deze minor (Economics of the Dutch Health Care Sector) wordt alleen in het Nederlands aangeboden. De rest van de minor is volledig in het Engels.

Ten minste 90 EC behaald in een Bachelorstudie.

Vakken

Naam vak	Periode	Credits	Code
Economics of the Dutch Health Care System	P1	6.00EC	E_MFHC_EDHCS
Health Economics	P1	6.00EC	E_MFHC_HEC
Internship Minor Health Care Management	P1+2, P2+3	12.00EC	E_MFHC_IMHC
Economic Assessment of Health Care	P2	6.00EC	E_MFHC_EAHC
Financial Management in Health Care Organizations	P2	6.00EC	E_MFHC_FMCO
Health Care Management	P3	6.00EC	E_MFHC_HCM

Minor Real Estate Economics and Finance

Omschrijving

The minor offers 5 courses that focus on different aspects of real estate:

Real Estate Finance (period 1) introduces you to the valuation of real estate projects

Real Estate and Urban Planning (period 1) discusses the ways planners and economists look at urban development, why there points of view sometimes differ and how they can fruitfully cooperate

Behavioral Economics and Real Estate (period 2) focuses on decision-making of investors in real estate: Can economic theory explain their behavior or should we also use insights from psychology?

Real Estate and Urban Economics (period 2) considers the structure of cities from the point of view of economic theory. It explains, among any other things, why skyscrapers multiply in Manhattan, while American suburbs typically have a very low density.

The Research Project (period 3) offers the possibility to investigate a real estate topic of your own choice with a few teammates.

Combination of the the minor with an internship is possible. The internship report provides exemption for the research project and one of the course offered in periods 1 and 2.

Intekenen

Obtained at least 90 EC in a Bachelor's programme.

Some knowledge of microeconomics is advised.

Vakken

Naam vak	Periode	Credits	Code
Real Estate and Urban Planning	P1	6.00EC	E_MFRE_REUP
Real Estate Finance and Urban Development	P1	6.00EC	E_MFRE_REFUD
Internship Minor Real Estate Economics and Finance	P1+2, P2+3	12.00EC	E_MFRE_IMRE

Naam vak	Periode	Credits	Code
Behavioral Finance and Real Estate	P2	6.00EC	E_MFRE_BFRE
Urban Economics and Real Estate	P2	6.00EC	E_MFRE_UERE
Real Estate Economics and Finance Research Project	P3	6.00EC	E_MFRE_REEFR

Minor Risk Management for Financial Institutions

Omschrijving

The minor highlights risk issues from different perspectives, such as human behaviour, methods and techniques, financial markets and supervision, and technological innovation. You will gain insights how financial institutions work and analyse their business models and risk issues. The minor emphasises the importance of a holistic view including behavioural finance. Finally, the risks of new developments will be discussed. What is the impact of new financial technologies (FinTech's and Big Data) and how can you mitigate cybercrime.

The minor contains 5 compulsory courses.

You can also opt for an internship in period 1 and 2, or in period 2 and 3.

If you choose to do the internship in period 1 and 2, you will follow the following courses:

- Risk Management in Banking (p1)
- New Developments in Risk Management (p2)
- Big Risk Experience (p3)

If you choose to do the internship in period 2 and 3, you will follow the following courses:

- Risk Management in Banking (p1)
- Risk Management in Financial Institutions (p1)
- New Developments in Risk Management (p2)

Prerequisite for the internship is that the content of the internship matches with the topic of the minor and that the internship proposal is approved by the Minor coordinator.

Intekenen

At least 90 EC obtained in a Bachelor's programme.

Vakken

Naam vak	Periode	Credits	Code
Risk Management for Financial Institutions	P1	6.00EC	E_MFRM_RMFI
Risk Management in Banking	P1	6.00EC	E_MFRM_RMB
Internship Minor Risk Management for Financial Institutions	P1+2, P2+3	12.00EC	E_MFRM_IMRM
Behavioral Finance and Real Estate	P2	6.00EC	E_MFRE_BFRE
New Developments in Risk Management	P2	6.00EC	E_MFRM_NDRM
A Big Risk Experience	P3	6.00EC	E_MFRM_BRE

Minor Applied Econometrics: A Big Data Experience for All

Omschrijving

An in-depth introduction to Econometrics. The Minor Applied Econometrics provides a thorough introduction to econometric methods and techniques with an emphasis on how to implement and carry out the methods in empirical studies and how to interpret the results. The key steps of

model formulation, parameter estimation, diagnostic checking, hypothesis testing, model selection and empirical analysis are given extensive attention throughout the different courses. Apart from the fundamentals of econometrics, much emphasis is given to how econometric methods are carried out in different empirical settings and studies. Particular attention will be given to issues related to "big data" in the context of different disciplines in economics and business.

The minor consists of two tracks: a regular and a technical track. The regular track contains five mandatory courses. The technical track consists of obligatory and elective courses. Also, an internship is possible (in both tracks).

Regular track with internship:

In the regular track you can do an internship in period 2 and 3. For period 2 you should skip one of the two courses. You may choose which one. For period 3 you will skip Practical Case Study: Real-life Modeling in Econometrics and Data Science.

Technical track with internship

In the technical track you can opt for an internship in period 1 and 2, or in period 2 and 3.

If you choose to do the internship in period 1 and 2, you will follow the following courses:

- Choose one of the two courses in period 1
- Bayesian Econometrics (p2)
- Practical Case Study: Real-life Modeling in Econometrics and Data Science (p3)

If you choose to do the internship in period 2 and 3, you will follow the following courses:

- Introduction to Time Series and Dynamic Econometrics (p1)
- Computational Methods in Econometrics (p1)
- Bayesian Econometrics (p2)

Intekenen

If you have no Econometrics background, you should choose the regular track.

If you are an Econometrics student, (or those of related quantitative studies) you should choose the technical track.

For both tracks you need to have obtained at least 90 EC in a Bachelor's programme.

Opleidingsdelen

- [Minor Applied Econometrics: A Big Data Experience for All - Regular track](#)
- [Minor Applied Econometrics: A Big Data Experience for All - Technical track](#)

Minor Applied Econometrics: A Big Data Experience for All - Regular track

Omschrijving

The regular track is intended for students who have up until this minor successfully completed *their first courses in (Introductory) Mathematics and Statistics*.

The track consists of five mandatory courses of 6 EC each. Also, an internship of 12 EC is possible. In that case you may drop either Empirical Economics or Empirical Finance in period 2 plus the course Practical Case Study in period 3.

Vakken

Naam vak	Periode	Credits	Code
Fundamentals of Time Series Econometrics	P1	6.00EC	E_MFAE_FTSE
Introductory Econometrics for Business and Economics	P1	6.00EC	E_MFAE_IEBE
Internship Minor Applied Econometrics: A Big Data Experience for All	P1+2, P2+3	12.00EC	E_MFAE_IMAE
Empirical Economics	P2	6.00EC	E_MFAE_EEC
Empirical Finance	P2	6.00EC	E_MFAE_EFIN
Practical Case Study: Real-life Modelling in Econometrics and Data Science	P3	6.00EC	E_MFAE_PCS

Opleidingsdelen

- [Transitional arrangements minor Applied Econometrics - regular track](#)

Transitional arrangements minor Applied Econometrics - regular track

Vakken

Naam vak	Periode	Credits	Code
Introduction to Time Series and Dynamic Econometrics	P1	6.00EC	E_MFAE_ITSDE

Minor Applied Econometrics: A Big Data Experience for All - Technical track

Omschrijving

The technical track is intended for current students in the BSc Econometrics and Operations Research (or those of related quantitative studies) who already have (basic) knowledge in econometrics and programming, and have successfully completed *advanced* courses in Mathematics and Statistics.

The track consists of four mandatory courses of 6 EC each. Also, in period 2 there are two choice courses (Empirical Economics and Empirical Finance), of which you have to choose one. You may also do an internship of 12 EC in period 1 and 2, or in period 2 and 3.

If you choose to do the internship in period 1 and 2, you will follow the following courses:

- Choose one of the two courses in period 1
- Bayesian Econometrics (p2)
- Practical Case Study: Real-life Modeling in Econometrics and Data Science (p3)

If you choose to do the internship in period 2 and 3, you will follow the following courses:

- Introduction to Time Series and Dynamic Econometrics (p1)
- Computational Methods in Econometrics (p1)
- Bayesian Econometrics (p2)

Vakken

Naam vak	Periode	Credits	Code
Computational Methods in Econometrics	P1	6.00EC	E_MFAE_CME
Time Series and Dynamic Econometrics	P1	6.00EC	E_MFAE_TSDE
Internship Minor Applied Econometrics: A Big Data Experience for All	P1+2, P2+3	12.00EC	E_MFAE_IMAE
Bayesian Econometrics for Business and Economics	P2	6.00EC	E_MFAE_BEBE
Empirical Economics	P2	6.00EC	E_MFAE_EEC
Empirical Finance	P2	6.00EC	E_MFAE_EFIN
Practical Case Study: Real-life Modelling in Econometrics and Data Science	P3	6.00EC	E_MFAE_PCS

Opleidingsdelen

- [Transitional arrangements minor Applied Econometrics - regular track](#)

Transitional arrangements minor Applied Econometrics - regular track

Vakken

Naam vak	Periode	Credits	Code
Introduction to Time Series and Dynamic Econometrics	P1	6.00EC	E_MFAE_ITSDE

Minor E-Business and Online Commerce

Omschrijving

Most business transactions are nowadays conducted through the Internet, facilitated by allkinds of Information & Communication Technologies, ranging from websites to social

media and from mobile devices to APIs. In the minor E-

business and online commerce, we regard the increasing important of e-business and online commerce through the lens of different

disciplines, yet we do this with an integrative perspective. Specifically, the minor

addresses the Marketing, Logistics and Information Systems-related aspects

of E-Business and Online Commerce. As such, the minor provides students with an in-depth knowledge of the full range of business aspects related to conducting business online - from

consumer interaction to fulfillment, and from marketing strategy to

data, analytics and information systems. This knowledge will be applied

in answering both academic and practical questions. Also, students will

be stimulated to critically reflect on a variety of business and ethical issues

related to e-business and online commerce. The core focus of the minor is on

Business-to-Consumer online commerce, although we take into account

Business-to-Business and Consumer-to-Consumer interactions as well.

For who?

This minor is especially relevant to students from the (international) business administration

(BK/IBA); note: IBA-students can follow a minor only on top of their

regular programme!) and the economics and business economics (EBE)

programme. But we simultaneously welcome students from any other domain as well.

This minor consists of five compulsory courses: Introduction to E-Business and Online Commerce (period 1), Consumer Science for E-Business and Online Commerce (period 1); E-Commerce Supply Chain Management (period 2); Information Systems in E-Business and Online Commerce (period 2); and Emerging Technologies in E-Business and Online Commerce (period 3).

It is possible to replace two of those courses for an internship in p1 and 2 or in p2 and 3.

The courses to be replaced are one course from period 1 and one course from period 2, you decide which ones (internship p1,2), or one course from period 2 (you decide) and the course from period 3 (internship p2,3).

Internships should be aligned with one or more of the topics that are addressed in the minor and should be initiated by students. Proposals for an internship require approval from the minor coordinator.

Intekenen

Obtained at least 90 EC in a Bachelor's programme.

Vakken

Naam vak	Periode	Credits	Code
Consumer Science for Online Commerce	P1	6.00EC	E_MFEO_CSOC
Introduction to E-Business and Online Commerce	P1	6.00EC	E_MFEO_IEOC
Internship Minor E-business and Online Commerce	P1+2, P2+3	12.00EC	E_MFEO_IMEOC
E-Commerce Supply Chain Management	P2	6.00EC	E_MFEO_ESCM
Information Systems in E-Business and Online Commerce	P2	6.00EC	E_MFEO_ISEOC
Emerging Technologies for E-Business and Online Commerce	P3	6.00EC	E_MFEO_ETEOC

Minor Sustainability: Management and Innovation

Omschrijving

Sustainable development is one of the key challenges for the 21st century. The minor on Sustainability and Innovation offers students a programme rooted in business and economics to explore how innovation can contribute to sustainable development. Sustainability builds on the understanding that actions 'here and now' have effects in other places, for other people, at other moments in time. This leads to grand challenges such as problems with global warming, water, energy, and poverty. Yet, addressing such grand challenges offers opportunities for business as well, and many leading companies and new start-ups are reaping such opportunities. Through sustainable innovations like renewable energy solutions, micro loans, circular business models, and 'sharing economy' platforms emerging businesses tap into growth markets. Characteristic of these opportunities is that they create shared value: they do not only create profit, but also create value for planet and people.

In this minor, students will learn how to turn global and local sustainability issues into business opportunities, and learn how to apply this knowledge to design strategies, value chains, and innovations. With its academically and practically challenging programme, this minor aims to inspire students that wish to take on an entrepreneurial role in society by joining an established firm, a government agency, or by starting a firm themselves.

This minor is especially interesting for:

- Future managers who want to understand how sustainability can be implemented in existing business
- Entrepreneurs / intrapreneurs who want exploit the opportunities sustainability offers
- Future consultants in sustainability, strategic business consultants, or government policy consultants
- Students who want to be active in NGO's or other societal organizations

This minor contains 5 compulsory courses. The minor programme will be taught in English. You may also opt for an internship in period 1 and 2, or in period 2 and 3.

When you choose to do the internship in period 1 and 2, you will follow the courses:

- Shared Value Creation (p1)
- For period 2 you may choose which one of the two courses you'll follow.
- Marketing Sustainable Innovations (p3).

When you choose to do the internship in period 2 and 3, you will follow the courses:

- Grand Challenges for Sustainability (p1)
- Shared Value Creation (p1)
- For period 2 you may choose which one of the two courses you'll follow.

Internships should be aligned with a topic addressed in the minor and should be initiated by students. Proposals for an internship need approval from the minor coordinator in advance.

Coordinator: Philipp Tuertscher Department of Information, Logistics and Innovation philipp.tuertscher@vu.nl.

Intekenen

Obtained at least 90 EC in a Bachelor's programme

Vakken

Naam vak	Periode	Credits	Code
Grand Challenges for Sustainability	P1	6.00EC	E_MFS_GCS
Shared Value Creation	P1	6.00EC	E_MFS_SVC
Internship Minor Sustainability and Innovation	P1+2, P2+3	12.00EC	E_MFS_IMSI
Organizing Sustainable Innovation	P2	6.00EC	E_MFS_OSI
Sustainable Business Processes	P2	6.00EC	E_MFS_SBP
Marketing Sustainable Innovations	P3	6.00EC	E_MFS_MSI

University Minors EOR

Omschrijving

Students Econometrics and Operations Research are allowed to participate in all university minors, except for the university minor Economics.

Opleidingsdelen

- [Minor Brain and Mind](#)
- [Minor Sustainability: Global Challenges, Interdisciplinary Solutions](#)
- [Minor Sport, Bewegen en Gezondheid](#)
- [Minor Business Administration - New Ways of Doing Business](#)
- [Minor Managing Digital Innovation](#)
- [Minor Islam](#)
- [Minor Digital Humanities and Social Analytics](#)
- [Minor in English](#)
- [Minor Gender and Diversity](#)
- [Minor History](#)
- [Minor Aan de slag met Literatuur](#)
- [Minor Psychologie en het Brein](#)
- [Minor Law and Global Justice: Climate, Internet and Migration](#)
- [Minor Technology, Law and Ethics](#)
- [Minor Development and Global Challenges](#)
- [Minor Peace and Conflict Studies](#)
- [Minor Political Science](#)
- [Minor Philosophy](#)

Minor Brain and Mind

Omschrijving

The purpose of this minor is to acquaint the student with different disciplines within the field of Neuroscience. The student will become familiar with the workings and functions of different types of brain cells and brain areas. The student will learn how this knowledge can be used to understand characteristics of the healthy brain (e.g., perception, attention, learning and memory, consciousness, personality), of the developing brain (pre- and postnatal), and of the diseased brain (e.g., depression, addiction, eating disorders). In addition, the students will be familiarized with recent findings from the fields of human genetics and the challenges that characterize this field. Finally, this minor provides an introduction into recent technological advances in brain-machine interfaces, deep brain stimulation, and robotics in the context of Neuroscience. The integration of disciplines such as biology, psychology, sociology, and genetics, is central to this minor. Students learn to think critically about how knowledge of the brain and the human genome can be applied to tackle societal issues, and will reflect on the ethical sides of this research.

Intekenen

TARGET GROUP: Third year BSc students alpha and gamma topics (e.g. Sociology, Psychology, Economics, Law, Artificial Intelligence) and students from Lifesciences (e.g., Biology, Physics, Chemistry, Medicine, Movement Science, Nutrition) with a broad interest.

ENTRY REQUIREMENTS: Bachelor: 90 ECTS, HBO: 120 ECTS

Due to overlap in curriculum, this minor is not open for students from Biomedical Sciences-VU and Health & Life Sciences-VU. These students, as well as students who plan to pursue a career in Neuroscience, are advised to sign up for the more specialized minor Biomolecular/Neurosciences. Please contact the minor coordinator dr Sophie van der Sluis (s.vander.sluis@vu.nl) for more information about participation.

For international students, we explicitly note that you will only obtain credits for the courses if you successfully pass the course exams as described in the individual course guides (i.e., participation alone is not sufficient).

Vakken

Naam vak	Periode	Credits	Code
Cognitive Neuroscience	P1	6.00EC	AB_1056
Nature versus Nurture	P1	6.00EC	AB_1057
Brain in Trouble	P2	6.00EC	AB_1038
The Developing Brain	P2	6.00EC	AB_1059
Mind and Machine	P3	6.00EC	AB_1060

Minor Sustainability: Global Challenges, Interdisciplinary Solutions

Intekenen

Students from other universities that want to register for this minor may need to indicate to which BSc programme the minor "Sustainability: Global Challenges, Interdisciplinary Solutions" belongs. Kindly fill in the BSc program "Aarde, Economie & Duurzaamheid" when registering.

Vakken

Naam vak	Periode	Credits	Code
Grand Challenges for Sustainability	P1	6.00EC	E_MFS_GCS
Sustainability and Environmental Change	P1	6.00EC	AB_1230
Global Development and Prosperity	P2	6.00EC	AB_1275
Governance of Global Sustainability	P2	6.00EC	AB_1229
Designing Solutions for Global Sustainability	P3	6.00EC	AB_1231

Minor Sport, Bewegen en Gezondheid

Omschrijving

De minor bestaat uit 5 cursussen uit de bacheloropleiding Bewegingswetenschappen. Studenten volgen in periode 1 de cursus Inleiding Inspanningsfysiologie. Daarnaast kiezen studenten in deze periode uit de cursussen Sportpsychologie en Revalidatie. In periode 2 worden de cursussen Sensomotorische Coördinatie en Toegepaste Inspanningsfysiologie gevolgd. In periode 3 kiezen studenten tussen de cursussen Talent and Talent Identification of Neuro- en Revalidatiepsychologie.

Intekenen

De minor staat open voor WO-studenten van buiten Bewegingswetenschappen en voor studenten die een relevante HBO-opleiding volgen zoals fysiotherapie, manuele therapie, bewegingstechnologie, ergotherapie of lichamelijke opvoeding. We verwachten daarbij dat studenten beschikken over Biologie- en Scheikundekennis op minimaal 5 HAVO-niveau. Voor HBO-studenten geldt bovendien dat zij deze minor alleen kunnen volgen als zij deelnemen aan een honourstraject en/of gemiddeld minimaal een 8 hebben gehaald voor hun bachelorvakken.

VU-studenten kunnen zich via VUnet inschrijven. Selecteer in VUnet de minor Sport, Bewegen en Gezondheid en meld je vervolgens voor de vakken uit de minor aan. Studenten van buiten de VU (HBO of WO) dienen zich als

bijvakstudent in te schrijven om (vakken uit) de minor te kunnen volgen.

De aanmelddeadline voor de minor is 31 augustus. Er geldt geen maximum voor de minor: eenieder die voldoet aan de toelatingseisen kan starten.

Vakken

Naam vak	Periode	Credits	Code
Inleiding Inspanningsfysiologie	P1	6.00EC	B_IF
Revalidatie	P1	6.00EC	B_REVAL
Sportpsychologie	P1	6.00EC	B_SPORTPSY
Sensomotorische Coördinatie	P2	6.00EC	B_SENSOCOR
Toegepaste Inspanningsfysiologie	P2	6.00EC	B_TIF
Neuro- en Revalidatiepsychologie	P3	6.00EC	B_NEURREVPSY
Talent and Talent Identification	P3	6.00EC	B_TALIDENT

Minor Business Administration - New Ways of Doing Business

Omschrijving

Across all courses, a variety of traditional and innovative teaching techniques are used to create a comprehensive learning experience. After completing the minor, you will have a better understanding of how modern organizations compete in today's business world. You will also have the opportunity to develop core skills to contribute as an individual to the value and business model of your future organization!

Once you have finished this minor, you:

Have an advanced understanding of the traditional and emerging theoretical frameworks and concepts developed for studying organizations and their environment (foundational knowledge),

Are able to adopt theoretical frameworks and apply tools to real-world situations and organizations (application),

Are able to report, expose and defend your analyses and business recommendations (critical, creative, and practical thinking), in both writing (reports) and speaking (discussion and presentations), and

Are able to work in teams and properly allocate tasks among team members under time pressure (team project and project management).

Therefore, in addition to the content-centred goals and objectives, the minor fosters the development of the following skills: self-reliance, meaningful communication, creativity, and strategic thinking. Case studies, guest lectures, discussions, individual works, teamwork, and a consulting project are aimed at encouraging reflection and challenging conventional wisdom!

Finally, you have the opportunity to take a 12 EC internship as part of the minor. If you choose this option you have to arrange your internship in either in period 1 and 2, or in period 2 and 3.

If you choose to do the internship in period 1 and 2, you will follow the courses:

- Foundations in Business Administration (p1)
- Business Model Innovation (p2)
- Business Project (p3)

If you choose to do the internship in period 2 and 3, you will follow the courses:

- Foundations in Business Administration (p1)
- Business Professionals (p1)
- you may choose which one of the courses in period 2.

To prepare for it you are warmly invited to contact Career Services at the Faculty of Business and Economics. They can help you find an internship and get the best out of it.

Intekenen

"The minor is accessible for students already studying at VU Amsterdam and students from other universities. Check the admission requirements below to see if you can apply for this minor.

General requirements

At least 90 EC obtained within one university bachelor programme.

Specific admission requirements

You have basic knowledge of math and statistics, as provided in the academic core of any academic programme at VU Amsterdam or equivalent.

Students in the BSc programmes Economics and Business Economics, and (International) Business Administration are excluded from participating in this university minor."

Vakken

Naam vak	Periode	Credits	Code
Business Professionals	P1	6.00EC	E_MUB_BPROF
Foundations of Business Administration	P1	6.00EC	E_MUB_FBA
Internship Minor Business Administration - New Ways of doing Business	P1+2, P2+3	12.00EC	E_MUB_IMBA
Business Model Assessment	P2	6.00EC	E_MUB_BMA
Business Models: Traditional and Emerging Perspectives	P2	6.00EC	E_MUB_BMT
Business Project	P3	6.00EC	E_MUB_BPROJ

Minor Managing Digital Innovation

Omschrijving

The opportunities of the digital era are essentially unlimited.

Innovative technologies may completely change how business and design processes are set up, while new directions for fruitful start-ups are countless. This calls for new and strategic ways of organising these opportunities to innovate in the digital world. If you are interested in new, exciting ways to organise for digital innovation, if you want to learn how new digital technologies such as big data, 3D printing and robotization change the way of working in your own field of expertise; if you are interested in how to design and organise pervasive digital technologies, if you would like to start your own Spotify, Uber or Airbnb in your own specific discipline and would like to learn how to do so; if you are interested in new professional, organisational and managerial insights related to digital innovation, this minor is for you.

This minor is a 30 EC programme taught in English. The programme consists of five courses taught during the first semester of the third year of your Bachelor program. It is also possible to opt for an internship in period 1 and 2 or in period 2 and 3.

If you choose to do the internship in period 1 and 2, this internship is instead of the courses :

- Introduction to Digital Innovation (p1) and
- New Ways of Working (p2)

If you choose to do the internship in period 2 and 3, this internship is instead of the courses:

- For period 2 you may choose which of the two courses you skip,
- Emerging Technologies for E-Business and Online Commerce (p3)

Students in the Bachelor programmes (International) Business

Administration are excluded from participating in this university minor.

Intekenen

Obtained at least 90 EC in a Bachelor's programme.

Vakken

Naam vak	Periode	Credits	Code
Introduction to Digital Innovation	P1	6.00EC	E_MUM_IDI
Strategic Management of Technology and Innovation	P1	6.00EC	E_MFEN_SMTI
Internship Minor Managing Digital Innovation	P1+2, P2+3	12.00EC	E_MUM_IMDI
AI for Business	P2	6.00EC	E_MUM_AIBI
New Ways of Working	P2	6.00EC	E_MUM_NWW
Emerging Technologies for E-Business and Online Commerce	P3	6.00EC	E_MFEO_ETEOC

Minor Islam

Vakken

Naam vak	Periode	Credits	Code
Inleiding in de Koran en Soenna	P1	6.00EC	G_BATRSPC123
Islam en Europese cultuur	P1	6.00EC	G_BATRSAL005
Hadith-wetenschappen	P2	6.00EC	G_BATRSAL026
Islamitische theologie/Kalam	P2	6.00EC	G_BATRSAL027
Islamitische ethiek	P3	6.00EC	G_BATRSAL049

Minor Digital Humanities and Social Analytics

Omschrijving

All courses are compulsory.

Introduction to Python for Humanities and Social Sciences (L_AABAALG075): If you already have programming skills (students computer science and informatics) you can choose an alternative course from a selection of Humanities and Social Science courses, after consultation with the coordinator of the minor.

Vakken

Naam vak	Periode	Credits	Code
Introduction to Digital Humanities and Social Analytics	P1	6.00EC	L_AABAALG076
Introduction to Python for Humanities and Social Sciences	P1	6.00EC	L_AABAALG075
Data Science: Visualization and Analytics in R	P2	6.00EC	S_DSVAR
Interpreting Information in Text by Humans and Machines	P2	6.00EC	L_PABAALG005
Digital Humanities and Social Analytics in Practice	P3	6.00EC	XB_0015

Minor in English

Vakken

Naam vak	Periode	Credits	Code
Global English	P1	6.00EC	L_ETBAETK209
Minor English: Grammar and Writing 1	P1	6.00EC	L_ETBAALG007
Minor English: Pronunciation and Presentation	P2	6.00EC	L_EABAALG006
Minor English: Writing 2	P2	6.00EC	L_ETBAALG005
Minor English: English in my own Discipline	P3	6.00EC	L_ETBAALG008

Minor Gender and Diversity

Omschrijving

The courses Theorizing Gender and Intersectionality (W_TGI), Sexual Health: Threats and Opportunities (AB_1294) and Religions and Gender (G_BATRSAL054) are mandatory. To complete the minor, you choose two additional courses from The Personal is Political: life-world and biographies of the Othered (L_AABAALG068), American Film (L_ELBAELK208) and Identity, Diversity and Inclusion (S_IDI).

Vakken

Naam vak	Periode	Credits	Code
Sexual Health: Threats and Opportunities for minor GAD	P1	6.00EC	AB_1294
Theorizing Gender and Intersectionality	P1+2+3	6.00EC	W_TGI
American Film	P2	6.00EC	L_ELBAELK208
Identity, Diversity and Inclusion	P2	6.00EC	S_IDI
The Personal is Political: life-world and biographies of the Othered	P2	6.00EC	L_AABAALG068
Religions and Gender	P3	6.00EC	G_BATRSAL054

Minor History

Vakken

Naam vak	Periode	Credits	Code
European Cultural History	P1	6.00EC	L_GABAMKD103
Imagining the Dutch: themes in Dutch History	P1	6.00EC	L_GCBAALG003
Decolonizing Europe: History and Memory	P2	6.00EC	L_GCBAGES200
Sub-Saharan Africa and the World, 1800-present	P2	6.00EC	L_GABAGES226
Oral History & Biography	P3	6.00EC	L_AABAGES208

Minor Aan de slag met Literatuur

Vakken

Naam vak	Periode	Credits	Code
Creatief Schrijven I	P1	6.00EC	L_NABALES103
Schrijverspalet: retorica	P1	3.00EC	L_AABAALG092
Wereldliteratuur 1	P1	3.00EC	L_AABAALG091
Schrijvers aan het werk I: 1100 - 1720 (minor)	P2	6.00EC	L_AABAALG093
Schrijvershuisbezoeken	P2	6.00EC	L_NNBAALG002
Wereldliteratuur 2	P2+3	6.00EC	L_AABAALG094

Minor Psychologie en het Brein

Omschrijving

De kennis over de psyche en ons brein groeit snel. Wekelijks verschijnen er artikelen en boeken met baanbrekende inzichten over de werking van onze hersenen en het effect hiervan op ons gedrag. Deze kennis verandert

de wereld, met steeds sterk wordende effecten op marketing, rechtspraak, technologie, computers, onze voeding en de economie. Het geeft ons inzichten in waarin en waarom we van elkaar verschillen, en helpt ons bepaalde groepsprocessen in de maatschappij te verklaren. Kennis over de psychologie en ons brein zijn een must voor iedereen die wil begrijpen waarom we doen wat we doen.

Doel

De minor Psychologie en het brein laat studenten kennismaken met de vakgebieden die gedrag en brein onderzoeken. Studenten krijgen in de minor een overzicht van de psychologie en de cognitieve neurowetenschappen, en worden vervolgens geïntroduceerd in de manier van onderzoek doen in deze velden. De doelstellingen hierbij zijn bij de student:

- a. de kennis aan te brengen om met verstand te oordelen over claims die zowel binnen als buiten de wetenschap over psyche en brein worden gemaakt,
- b. de vaardigheden bij te brengen om zelf onderzoek te doen naar psyche en brein.

Doelgroep:

De minor is aantrekkelijk voor studenten met een algemene interesse in psychologie en de hersenen, met voorkennis van statistiek (zoals aangeboden in bachelors in de sociale wetenschappen, economie, exacte en biomedische wetenschappen).

NB: Deze minor is NIET toegankelijk voor studenten die de Bachelor Psychologie volgen.

Ingangseisen:

- Minstens 90 EC behaald binnen één bachelorprogramma.
- Minstens 6 EC behaald aan statistische vakken.
- Voor deelname aan het vak Neuropsychologie is deelname aan het vak Biologische Psychologie vereist.

Vakken

Naam vak	Periode	Credits	Code
Evolutionary Psychology	P1	6.00EC	P_BEVOLPS
Inleiding Psychologie (UM)	P1	6.00EC	P_UINLPSY
Behaviour Genetics in Psychology (UM)	P2	6.00EC	P_UBEGEPS
Biologische Psychologie (UM)	P2	6.00EC	P_UBIOPSY
Neuropsychologie (UM)	P3	6.00EC	P_UNEUPSY

Minor Law and Global Justice: Climate, Internet and Migration

Omschrijving

The regulation of the internet, the international mobility of people and the management and causation of climate change are amongst the most hotly debated issue of our times. These issues transcend national and regional borders, which not only complicates questions of accountability, effectivity but also the access to justice for the legal subjects involved. They raise questions of the control of national and international exercises of power, of the relationship between international law, the nation state and capitalism but also of the effects of colonialism in contemporary North/South relations. This minor contains courses on the law relating to migration, climate change, the internet, as well as a selection of other current topics in transnational law and justice which vary from year to year (past topics including fertility tourism, selling citizenship, the Covid-19 pandemic, and geoengineering).

If you are pursuing a career in European and international law or in the field of domestic or international migration, this is an excellent minor for you. The minor prepares you for the master programs European and International Law, International Migration and Refugee Law, International Technology Law or Internet, Intellectueel Eigendom en ICT.

After completing this minor, the student has knowledge of the core of the legislation concerning the three topics, has gained insight in the most important critique and analysis of this legislation (from a legal, policy-orientated, sociological, anthropological and/or philosophical perspective), and is capable of critically judging proposed changes. For each of the topics the student knows which actors play a role in making rules and policy, how states work together (or not), the consequences of this (lack of) cooperation and the future perspective for transnational regulations in migrations, climate change and internet. Knowledge of these 'case studies' and the theory involved also enables student to independently reflect on other areas of transnational problems, such as security.

Vakken

Naam vak	Periode	Credits	Code
Human Rights and the Border	P1	6.00EC	R_HumRB
Internet Governance	P1	6.00EC	R_InternGov
Climate Change Law	P2	6.00EC	R_TL-TP
Human Rights and Citizenship	P2	6.00EC	R_HumRC
Current Issues	P3	6.00EC	R_Currissues

Minor Technology, Law and Ethics

Vakken

Naam vak	Periode	Credits	Code
Governance and Regulation of Emerging Technologies	P1	6.00EC	R_GRET
Robot Law and Artificial Intelligence	P1	6.00EC	R_RLAI
Data Analytics and Privacy	P2	6.00EC	R_DAP
Philosophy and Neuroethics	P2	6.00EC	W_BA_PNEU
Law and Ethics of Reproductive Technologies	P3	6.00EC	R_LERT

Minor Development and Global Challenges

Vakken

Naam vak	Periode	Credits	Code
Development and Globalization: Anthropological Perspectives	P1	6.00EC	S_DG
Environment and Development	P1	6.00EC	S_ED
Global Political Economy	P2	6.00EC	S_GPE
Nation and Migration	P2	6.00EC	S_NM
Urban Studies	P2+3	6.00EC	S_UBS

Minor Peace and Conflict Studies

Omschrijving

The Minor is made up of the following courses:

- Philosophy and the Ethics of Violence: Peace, War, and Terrorism
- Political Violence and the Human condition
- Conflict and Peacebuilding: Local and global perspectives
- The Law and Politics of Fencing the Use of Force
- Peace and Conflict: From Theory to Practice

Vakken

Naam vak	Periode	Credits	Code
Philosophy and the Ethics of Political Violence: Peace, War and Terrorism	P1	6.00EC	S_PEV
Political Violence and the Human Condition	P1	6.00EC	S_PVHC
Peace and Conflict: From Theory to Practice	P1+2+3	6.00EC	S_PC
Conflict and Peacebuilding: Local and Global Perspectives	P2	6.00EC	S_CPB
The Law and Politics of Fencing the Use of Force	P2	6.00EC	S_LPFUF

Minor Political Science

Vakken

Naam vak	Periode	Credits	Code
International Relations and Global Governance	P1	6.00EC	S_IRGG
State, Power and Conflict	P1	6.00EC	S_SPC
Minor Seminar in Political Science	P1+2+3	6.00EC	S_MSPS
EU Governance in an International Context	P2	6.00EC	S_EUGIC
Global Political Economy	P2	6.00EC	S_GPE

Minor Philosophy

Vakken

Naam vak	Periode	Credits	Code
Great Minds I	P1	6.00EC	W_BA_MND1
Political Philosophy	P1	6.00EC	W_BA_PP
Ethics	P2	6.00EC	W_BA_ETEN
Philosophy of Science	P2	6.00EC	W_BA_SCIE
Great Minds II	P2+3	6.00EC	W_BA_MND2

Education Minor EOR

Omschrijving

Students Econometrics and Operations Research may do an Education Minor Mathematics (Wiskunde). For more information, take a look at <https://minor.vu.nl/nl/minoren/educatieve-minor/index.aspx> (Dutch only).

Opleidingsdelen

- [Educatieve minor Wiskunde](#)

Educatieve minor Wiskunde

Opleidingsdelen

- [Educatieve Minor verplicht](#)

Educatieve Minor verplicht

Vakken

Naam vak	Periode	Credits	Code
Educatieve Minor Didactiek 1	P1	6.00EC	O_EMDID1
Educatieve Minor Praktijk 1	P1	6.00EC	O_EMPRAK1
Educatieve Minor, Peergroep	P1+2+3	0.00EC	O_EMPEERGR
Educatieve Minor Didactiek 2	P2+3	9.00EC	O_EMDID2
Educatieve Minor Praktijk 2	P2+3	9.00EC	O_EMPRAK2

Honours programme

Omschrijving

The Honours Programme (HP) contains 30 EC on top of the regular programme and offers several advantages to ambitious students. All honours courses are special courses that are only accessible to honours students.

The increased study load is 30 EC of honours courses (or more if you prefer). The programme consists of at least 12 credits SBE honours courses, at least 12 credits Interdepartmental honours courses and 6 credits for an elective that you are free to choose within all honours courses offered either by our School or elsewhere by Vrije Universiteit, the University of Amsterdam and Amsterdam University College.

For more information, take a look at <https://vu.nl/en/education/honours>.

Opleidingsdelen

- [SBE Honours Courses](#)
- [Interdepartmental Honours Courses](#)

SBE Honours Courses

Omschrijving

The SBE honours courses of the Honours Programme are taught mainly in the evening by lecturers from our School. The classes are small and you will be expected to give presentations, write papers and make an active contribution to discussions.

The 6 credits of the Research Assistantship count only as elective and not as credits to fulfill the 12 credits of SBE honours courses.

You have to choose at least 12 credits of SBE honours courses from the list below. Enrollment into these courses is via VUNet, except for a Research Assistantship.

Vakken

Naam vak	Periode	Credits	Code
Research Assistantship Honours Course	Ac. Year (sept)	6.00EC	E_HP2_RASS
Behavioral Game Theory	P2	6.00EC	E_HP2_BGT
Contemporary Perspectives in Corporate Strategy	P4	6.00EC	E_HP1_CPCS
Economics of Globalization: A Transaction Cost Perspective	P4	6.00EC	E_HP1_EGTC
Bubbles and Crashes	P5	6.00EC	E_HP1_BC

Interdepartmental Honours Courses

Omschrijving

The interdepartmental courses of the Honours Programme are taught mainly in the evening by lecturers from Vrije Universiteit, the University of Amsterdam and Amsterdam University College, as well as guest lecturers from the Netherlands and abroad. The classes are small and you will be expected to give presentations, write papers and make an active contribution to discussions.

As an honours student, you have to choose at least 12 credits of interdepartmental honours courses.

Go to <https://vu.nl/en/education/more-about/interdepartmental-courses> for more information and links to all courses offered by VU, UvA and AUC.

For more information about registering for interdepartmental honours courses, visit

<https://vu.nl/en/education/more-about/course-registration>

Additional 0 ECTS Internship

Vakken

Naam vak	Periode	Credits	Code
Bachelor's Internship (0 EC)	Ac. Year (sept)	0.00EC	E_BACH_INTS

Additional courses for admission to one of the SBE Master programmes

Omschrijving

Following your bachelor, you can opt to continue studying, either at our faculty or at different university. Our faculty offers several Master's of Science programmes. All programmes start in September only and are taught in English.

At vu.nl you will find the admission requirements of all master programmes. For the majority of the masters, you will be able to fulfill the entry requirements by choosing a specific specialization or track within your bachelor programme. However, in some cases this is not

possible and you will need to follow additional courses on top of your bachelor program in order to be admitted to the master.

In the list printed underneath you will find the courses that are not included within your bachelors programme, but may be needed to enter a masters programme. You can enroll to the course via vu.nl.

Vakken

Naam vak	Periode	Credits	Code
Accounting II	P1	6.00EC	E_EBE2_ACC2
Business Information Systems	P1	6.00EC	E_IBA2_BIS
Introduction to Digital Innovation	P1	6.00EC	E_MUM_IDI
Finance II	P2	6.00EC	E_EBE2_FINA2
Financial Accounting	P4	6.00EC	E_EBE2_FAC
Foundations of Strategic Management	P4	6.00EC	E_IBK3_FSM
Leading Organizational Change	P4	6.00EC	E_IBK3_LOC
Microeconomics II	P4	6.00EC	E_EBE2_MICEC
Procurement and Supply Management	P4	6.00EC	E_IBK3_PSM
Contemporary Issues in International Management	P5	6.00EC	E_BK3_CIIM
Corporate Finance	P5	6.00EC	E_EBE2_CF
Empowering People for Societal Changes	P5	6.00EC	E_IBK3_EPSC
Management Accounting	P5	6.00EC	E_EBE2_MANAC
Management Consulting and Strategic Change	P5	6.00EC	E_IBK3_MCSC
Managing and Improving Quality	P5	6.00EC	E_IBK3_MIQ
Managing Technology Processes	P5	6.00EC	E_IBK3_MTP
Small Business Development	P5	6.00EC	E_IBK3_SBD
Strategic Management from a Practice Perspective: A Day in the Life of a CEO	P5	6.00EC	E_IBK3_SMPP
Value Based Marketing	P5	6.00EC	E_EBE2_VBM

Courses

A Big Risk Experience

Vakcode	E_MFRM_BRE
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	M.J. Hopman
Examinator	M.J. Hopman
Betrokken Docenten	
Onderwijsvormen	Lecture

Doel vak

This is the practical course in the minor Risk Management for Financial Institutions (RMFI). In this course you will use your academic skills in analysing a practical problem. Abstract fundamental structures in the research question and substantiate your view with arguments. You will apply your knowledge in an other (practical) context. Examining the case you will use methods to identify, monitor and manage the topic of risk management in your case study. The objective is to experience a real risk management challenge or problem for a financial institution and you will gain additional knowledge in the area of the topic of your case study.

Bridging theory and practice you will work in a group of students on a practical problem regarding risk management. Your group will write a report and give a presentation. Working on this case study will broadening your horizon due to a deep dive into a practical problem set up by VU research.

Inhoud vak

After the gained knowledge in the four Risk Management courses, it is time to experience risk management in practice. There will be several topics regarding risk available where financial institutions has to deal with. With your group (2-5 students) you will identify, monitor and assess the problem.

Aanvullende informatie onderwijsvormen

Kick-off meeting, guidance of the Minor Risk staff. Four weeks full practical research, preparation for presentation and writing the report.

Toetsvorm

Written report and presentation.

Vereiste voorkennis

Only students who have participated in the other four courses in the Minor Risk can participate in the Big Risk Experience.

Literatuur

Not applicable.

Aanvullende informatie doelgroep

The Minor Risk is for students from all bachelor programmes (with some exceptions, see the admission criteria below) who want to acquire familiarity with Risk Management and Financial Institutions.

Aanbevolen voorkennis

A basic course in quantitative methods and/or statistics is strongly recommended.

Academic Skills: Probability and Inference

Vakcode	E_EOR1_ACSK
Studiepunten	6.00
Periode	P6
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. Y. Lin
Examinator	dr. Y. Lin
Betrokken Docenten	dr. Y. Lin
Onderwijsvormen	Lecture, Computer lab

Doel vak

This course aims to integrate the knowledge gained from first-year courses and apply it to areas such as Econometrics, Operations Research, and Mathematical Economics. We will study an empirical application using analytical and numerical techniques, bridging the gap between your current studies and the upcoming academic year.

Inhoud vak

- Practice implementing exercises in software in a matrix-oriented environment.
- Revisit the notions of conditional density and conditional expectation and explore their role in inference.
- Revisit the Law of Large Numbers (LLN) and the Central Limit Theorem (CLT) and explore their role in approximate inference.
- Understand the role of the random sample assumption in the LLN and CLT, and discuss its adequacy in economics.
- Explore relationships between random variables.

- Practical implementation in Python, including Monte Carlo simulations and bootstrap methods.
- Academic writing, effective language usage, and data visualization techniques for presenting research

Aanvullende informatie onderwijsvormen

Lectures, practicals, question hours

Toetsvorm

Assignments, presentation.

Literatuur

Slides and relevant articles

Aanvullende informatie doelgroep

Bachelor students EOR/EDS

Aanbevolen voorkennis

Knowledge of analysis, probability theory, and statistics at the first year bachelor level.

Accounting II

Vakcode	E_EBE2_ACC2
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. D. Detzen
Examinator	dr. D. Detzen
Betrokken Docenten	dr. D. Detzen, C. Cynthia MSc, dr. Q. Ruan, X. Li
Onderwijsvormen	Study Group, Response class, Lecture

Doel vak

This course focuses on the use and analysis of accounting information. It conveys knowledge and skills about how specific financial and

management accounting methods and techniques are used in practice, and how this information is used in decision-making processes both within and outside corporations.

Specifically, after completing the course, you are able to:

- use a commonly applied framework for analyzing and valuing companies;
- explain much-used methods and techniques for decision-making, planning and control. You will apply this knowledge on the basis of case assignments and relevant examples (Bridging theory and practice – knowledge; Bridging theory and practice – application).
- critically assess specific accounting information, particularly about the functioning of an organization and parts thereof, and the role that this information plays in decision-making and management of companies (Broadening your horizon; Academic and Research skills).

Inhoud vak

The knowledge that you gained in the first year of the BSc Economics and Business Economics, specifically Accounting I, will be broadened and deepened. While Accounting I introduced you to specific methods and techniques in accounting from a preparer's perspective, Accounting II takes the perspective of a user of accounting information. After completing this course, you will thus be able to critically analyze and interpret accounting information.

In accounting, one can broadly distinguish financial and management accounting. In financial accounting, the

course emphasizes the

perspective of financial statement analysis. This means that there will be a focus on financial statements, particularly how the different

choices and decisions that are made when preparing these statements, and methods and techniques to analyze these choices. Specifically, after completing the course, you are able to:

- identify and analyze an organization's strategy;
- analyze an organization's financial accounting information;
- conduct financial analysis;
- conduct prospective analysis.

In management accounting, the course reviews the most important methods and techniques in this area, such as cost allocation, the analysis of cost behavior for decision-making, budgeting, variance analysis, transfer pricing and performance measurement. This course makes intensive use of cases to practice and apply course contents.

Specifically, after completing the course, you are able to:

- explain the most important types of cost;
- explain job-costing and process-costing systems and the relevant issues surrounding these systems;
- explain the most important methods and techniques in the area of cost allocation and know how to apply these;
- analyze cost and revenue behavior;
- explain which information is relevant for different decision-making purposes;
- explain the most important methods and techniques in the area of budgeting and know how to apply these;
- analyze and interpret variances;
- explain the most important methods in the area of transfer pricing;
- explain the most important principles behind methods and techniques in the area of performance measurement.

Accounting II builds on the knowledge gained in Accounting I, so it is highly recommended to have completed that course before taking

Accounting II.

Aanvullende informatie onderwijsvormen

Lectures and Tutorials

Toetsvorm

Case assignments – Group assessment

Written exam – Individual assessment

Literatuur

Financial Accounting (recommended):

Palepu, K.G., P.M. Healy, and E. Peek (2022), *Business Analysis and Valuation: IFRS Edition*, 6th edition, Andover: Cengage Learning.

Management Accounting (required):

Bhimani, A., C.T. Horngren, S.M. Datar, and M. Rajan (2023), *Management and Cost Accounting*, 8th edition, Amsterdam: Person Higher Education.

Aanbevolen voorkennis

Accounting I

Advanced Simulation for Finance, Economics and Business

Vakcode	E_EOR3_ASFEB
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. G. Xiao
Examinator	dr. G. Xiao
Betrokken Docenten	dr. G. Xiao
Onderwijsvormen	Study Group, Lecture

Doel vak

Students learn how to analyse real-life problems by computer simulation models. After successful completion of this course, students will be able to conduct Monte Carlo simulation based analysis of a problem and provide an output analysis. Students learn how to apply simulation in optimization and learning, and to report on their findings.

Inhoud vak

This course gives a treatment of the important aspects of advanced Monte Carlo simulation and its applications in areas such as inventory control, project planning, reliability, risk analysis, multi-agent models, and financial models. The emphasis is on modeling the stochastic dynamic system as a discrete event system, and analyzing and improving its performance by means of discrete event simulation. The topics covered include generating random numbers, output analysis, design of experiments, stochastic optimization, Markov chain modelling, opinion dynamics, stochastic diffusion models, and option pricing.

Aanvullende informatie onderwijsvormen

Combined lectures and tutorials

Toetsvorm

Simulation projects (report and presentation), written exam.

Vereiste voorkennis

For all students: Statistics, Introduction to Programming. Furthermore, EOR students should have passed "Probability Theory" ; EDS students should have passed "Introduction to Data Science"

Literatuur

TBA

Aanbevolen voorkennis

Analysis I and Operations Research II

AI for Business

Vakcode	E_MUM_AIBI
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. W.A. Günther
Examinator	dr. W.A. Günther
Betrokken Docenten	dr. W.A. Günther, F.A.M. Balocco
Onderwijsvormen	Hoorcollege, Werkgroep

Doel vak

Academic & Research Skills

- Approaching AI processes from a socio-technical perspective
- Developing the ability to critically reflect on and examine theories and concepts

Knowledge

- Defining, describing and recalling the basic concepts, constituent components, principles and theories underlying the development and implementation of AI solutions for business
- Understanding the impact of AI solutions on organizations

Bridging Theory & Practice

- Choosing, applying, and evaluating AI concepts, principles and solutions to solve business problems and recognize opportunities for creating innovative products and services
- Recognizing and mitigating challenges to effective and responsible AI development and implementation

Social skills

- Being able to work in teams
- Being able to communicate project results through presentation and writing
- Being able to connect to both technical and managerial audiences

Inhoud vak

Organizations are increasingly trying to leverage Artificial Intelligence (AI) to solve business problems and create innovative products and services. However, AI is also prone to a number of limitations and challenges. In this course, students will learn about:

- basic AI concepts, techniques, and solutions
- how organizations utilize AI to improve and innovate their business
- the impact of AI on organizational processes and work
- major challenges to the effective and responsible development and implementation of AI in organizations
- relevant concepts, theories and frameworks that help to understand how organizations may overcome challenges related to the development and implementation of AI

The course primarily has a managerial focus.

Aanvullende informatie onderwijsvormen

Lectures, guest lectures and workshops

Toetsvorm

Group project

Individual take-home essay exam

Both components are mandatory for passing the course.

Vereiste voorkennis

Period 1 courses of the minor Managing Digital Innovation

Literatuur

Book: Waardenburg, L., Huysman, M., & Agterberg, M. (2021) "Managing AI Wisely", New Horizons in Business Analytics, Cheltenham, UK: Edward Elgar Publishing.

Various papers that will be made available through Canvas.

Aanvullende informatie doelgroep

This course is part of the minor Managing Digital Innovation.

Toelichting Canvas

Use of Canvas is mandatory. All the updates regarding the course content, schedules, assignments and grading will be communicated on Canvas.

American Film

Vakcode	L_ELBAELK208
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. R.V.J. van den Oever
Examinator	dr. R.V.J. van den Oever
Betrokken Docenten	dr. R.V.J. van den Oever
Onderwijsvormen	Seminar

Doel vak

Students become acquainted with different theorizations of spectatorship in relation to film characters.

By the end of the course, students can:

- Explain selected concepts from film theory.
- Apply these concepts to the interpretation of selected films.
- Do all this in clear and concise written English.

Inhoud vak

Central to this course is the question: How do spectators relate to film characters? Film theory provides various answers, ranging from forced identification with a protagonist to reading against the grain of a film.

Theories and films discussed in previous years include:

- The male gaze and *Vertigo* (Alfred Hitchcock, 1958): spectators identify with a male protagonist who lustfully gazes at objectified women.
- Sentimental pedagogy and *Philadelphia* (Jonathan Demme, 1993): through emotional manipulation, films can

enforce ideological beliefs onto spectators.

- Character engagement and *Psycho* (Alfred Hitchcock, 1960): spectators develop a cognitive moral evaluation of film characters.

- Queer connotation and *Gentlemen Prefer Blondes* (Howard Hawks, 1953): in response to Hollywood censorship, spectators read film characters as denotatively straight yet connotatively queer.

Both theories and films are subject to change.

Aanvullende informatie onderwijsvormen

- We meet once a week for four hours.

- Attendance is mandatory.

- Meetings are held on campus; no hybrid alternative is offered.

- Each meeting consists of group discussions, exam instruction/practice, and a lecture portion.

- Prior to each meeting, students complete a Canvas assignment.

- Devices with access to social media (this includes laptops) are not allowed in class. If an exception needs to be made for medical reasons, students must contact the academic advisor prior to the start of the course.

Toetsvorm

- Successful completion of the course is contingent on timely submission of all Canvas assignments and attendance at all meetings.

- The full final grade for the course is based on a take-home exam consisting of short essay questions. The take-home exam will be held over three days in week 8 of period 2 (the week of 16 December 2024). **English writing proficiency is a key aspect of the assessment.**

Vereiste voorkennis

Students must have participated in the period 1 courses of either the Schoolvakminor English Literature or the minor package Gender and Diversity. No exceptions will be made.

Literatuur

To be announced in the course syllabus, which will be posted on Canvas well in advance of the start of the course.

Aanvullende informatie doelgroep

This course is part of the Schoolvakminor English Literature and the minor package Gender and Diversity.

Analysis I

Vakcode	X_400641
Studiepunten	6.00
Periode	P1+2
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. S.B. Dubinkina
Examinator	dr. S.B. Dubinkina
Betrokken Docenten	dr. M.A. Estevez Fernandez, dr. S.B. Dubinkina
Onderwijsvormen	Deeltentamen schriftelijk, Hoorcollege, Werkcollege

Doel vak

At the end of this course the student

a) is able prove a theorem with mathematical induction.

b) knows the definition of limit of a sequence and a function and is able to calculate limits, using various calculus techniques (e.g.

squeeze law and l'Hospitals rule).

c) knows the definition of continuity and is able to prove or disprove the continuity of a function.

d) knows the definition of derivative of a single variable function and is able to calculate (higher) derivatives and a Taylor polynomial of a function.

e) knows the definition of a Riemann integral and is able to prove if a function is Riemann integrable.

f) is able to calculate an integral, using various calculus techniques (e.g. substitution method, integration by parts, partial fraction decomposition).

g) is able to determine if an improper integral is convergent, and calculate its value.

h) is able to work with complex numbers.

Inhoud vak

In this course we present a thorough introduction of the theory of real analysis for single variable functions. Theorems and their proofs form an important part of this course. In addition sufficient attention is paid to various calculus techniques. We will treat the following topics:

a) Natural numbers and mathematical induction.

b) Rational and real numbers and the completeness of the real numbers.

c) Sequences of real numbers (convergence, subsequences, Cauchy sequences).

d) Continuity and limits of real functions. Uniform continuity.

e) Differentiation (derivative of a function, mean value theorems, L'Hospital's rule, Taylor's theorem).

f) Integration (Riemann integral, improper integral, integration techniques)

g) Complex numbers

Aanvullende informatie onderwijsvormen

Lectures (2x2 hours per week) and tutorials (1x2 hours per week).

Toetsvorm

There will be a midterm exam at the end of period 1 and a final exam at the end of period 2. Details about the topics treated in each exam and the calculation of the final grade will be published in Canvas. If your grade is not sufficient, it is possible to make the resit about all topics in the spring semester.

Literatuur

The text for this course will be announced later on in Canvas

Aanvullende informatie doelgroep

1 EOR

Overige informatie

We expect that you attend the tutorials well prepared! That means that you have already tried to make the exercises at home! Some exercises will be treated on the blackboard. You can ask questions about other exercises to the teaching assistant. An attendance list will be used.

Analysis II

Vakcode	X_400642
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Studiepunten	6.00
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Periode	P4+5
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Vakniveau	100
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Onderwijstaal	Engels
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Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. M.A. Estevez Fernandez
Examinator	dr. M.A. Estevez Fernandez
Betrokken Docenten	dr. M.A. Estevez Fernandez, dr. O. Fabert
Onderwijsvormen	Lecture, Seminar, Written partial exam

Doel vak

At the end of this course, the student is able to

- solve some first order (linear or with separable variables) and second order (with constant coefficients) differential equations;
- use some convergence tests for (power-)series (comparison test, limit test, ratio test, integral test);
- calculate the interval of convergence of a power/Taylor series;
- determine if a function of several variables is continuous and/or differentiable;
- calculate the extreme values of a function of several variables;
- calculate a double or triple integral (if needed with a change of variables).

Inhoud vak

In this course, we treat sequences and series of functions, functions of several variables and multiple integration. We also discuss differential equations of first and second order. The topics are:

- Differential Equations of first order (separable equations and linear equations) and second order (linear with constant coefficients).
- Sequences of functions. Pointwise and uniform convergence.
- Series, power series and Taylor series. Pointwise and uniform convergence.
- Basic topology in Euclidian spaces.
- Functions of several variables (continuity, differentiability, optimization, Taylor series).
- Multiple integration (double and triple integrals, change of variables, improper integrals).

Aanvullende informatie onderwijsvormen

Lectures (2x2 hours per week) and seminars (1x2 hours per week).

Toetsvorm

There will be a midterm exam at the end of period 4 and a final exam at the end of period 5. Details about the topics treated in each exam and the calculation of the final grade will be published in Canvas. If your grade is not sufficient, it is possible to make the resit about all topics in the spring semester. It is not possible to resit just the midterm or final exam.

Literatuur

Will be announced on Canvas.

Aanvullende informatie doelgroep

1 EOR

1 EDS

Overige informatie

We expect that you attend the seminars well prepared! That means that you have already tried to make the exercises at home! Some exercises will be treated on the blackboard. You can ask questions about other exercises to the teaching assistant. An attendance list will be used.

Aanbevolen voorkennis

This course requires knowledge of topics treated in Analysis I.

Bachelor's Internship (0 EC)

Vakcode	E_BACH_INTS
Studiepunten	0.00
Periode	Ac. Year (sept)
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	C.A.M.C. Sikking MSc
Examinator	C.A.M.C. Sikking MSc
Betrokken Docenten	
Onderwijsvormen	

Doel vak

An internship is an excellent way to apply the knowledge and (academic) skills which students acquire during their studies. For this reason it is highly recommended. The most important learning goal of internships is to familiarize with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give students a good start into their professional career. The 'not for credit' internship course is available for all SBE programs. Students can do an internship parallel to their study or after completion of all courses. The internship will appear on the student's grade list. In case you're interested in other internships such as a minor internship or an extracurricular internship you can find detailed information in the bachelor internship manual (<https://vu.nl/en/student/elective-space/internships-faculty-sbe>).

Inhoud vak

n.a.

Aanvullende informatie onderwijsvormen

Career Services (internships.sbe@vu.nl) will function as the SBE supervisor for the 0 EC internships. Students who take the 'not for credit' internship need to fulfil the following requirements (see also the detailed internship manuals <https://vu.nl/en/student/elective-space/internships-faculty-sbe>):

1. Send an email to Career Services (internships.sbe@vu.nl). Career services will invite you for the Canvas environment for 0 - credit internships.
2. Accept the invitation for Canvas.
3. Write an internship proposal (max. 3 A4) and submit your proposal no later than two weeks before the start of the internship in canvas. The main purpose of the internship proposal is a description of what the student intends to learn during the internship. The proposal includes the following elements:
 - A description of the organization and the department where the internship is located (for instance, sector, age of the organization, number of employees, etc.);
 - A description of the internships tasks and responsibilities;
 - Personal learning objectives: what do you intend to learn from this internship?
 - A description of why the internship is relevant for your study program.
4. After the approval of the proposal and objectives by the SBE supervisor from Career Services, the internship agreement has to be signed by three parties: Fill in the blanks in the internship agreement, sign the agreement yourself and make sure it is signed by the representative of the organization providing the internship. Your SBE supervisor will be the last person to sign the agreement and send you a signed copy of the document.
5. Upload the signed internship agreement in Canvas two weeks before the start of your internship.
6. Two weeks before completion of the internship, the reflection report (max. 5 A4) should be submitted in Canvas. The main purpose of the internship report is a description of what the student has learned during the internship.

The report includes the following elements:

- a description of the internship (i.e. goal, activities, results);
- a personal reflection on the internship (i.e., the supervision by the organization providing the internship, the working atmosphere, comparison of expectations and realizations, etc.);
- reflection on the personal learning objectives.

7. Together with the internship report, please submit the evaluation from your company supervisor in Canvas. Based on the reflection report and the evaluation of the company supervisor, the SBE supervisor checks whether the student has met the requirements and subsequently sends a confirmation to the study administration. Find more information in the SBE internship manual that suits your situation: <https://vu.nl/en/student/elective-space/internships-faculty-sbe>.

Toetsvorm

n.a.

Afwijkende intekenprocedure

To register for an internship, the student needs to send an email to careerservices.sbe@vu.nl. Career services will add the student to canvas and the student needs to accept the invitation. The internship proposal and the internship agreement should be submitted minimum two weeks before the start of the internship in Canvas. The internship agreement should include all the required signatures. Career Services will function as the SBE supervisor for the 0 EC internships. After the internship proposal has been approved and the internship agreement is signed by the student, SBE supervisor and the company, the student can start the internship. Please note that you will be added to the Canvas environment by your SBE supervisor. For more information see the SBE internship manual: <https://vu.nl/en/student/elective-space/internships-faculty-sbe>.

For questions you can also send an e-mail to internships.sbe@vu.nl or plan an internship appointment with one of the Career Services advisors. Career Services can also help prepare for an internship, for instance when it comes to writing a good resume and application letter, or answer questions about internships. For more information, see <https://vu.nl/en/about-vu/more-about/career-services-school-of-business-and-economics>

Bayesian Econometrics for Business and Economics

Vakcode	E_MFAE_BEBE
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. L.F. Hoogerheide
Examinator	dr. L.F. Hoogerheide
Betrokken Docenten	dr. L.F. Hoogerheide
Onderwijsvormen	Study Group, Computer lab, Lecture

Doel vak

This course in the minor Applied Econometrics is targeted at Bachelor Econometrics students and Bachelor students with different backgrounds who have already had an introduction to programming and econometrics/statistics. The objective is to acquaint the student with Bayesian statistics and applications thereof to econometric problems, using advanced computational methods.

Inhoud vak

This course will cover Bayesian statistics where the topics include the prior and posterior density, Bayesian hypothesis testing, Bayesian prediction, and Bayesian Model Averaging for forecast combination. Several models will be considered, including the Bernoulli/binomial distribution, the Poisson distribution and the normal distribution. Obviously, attention will be paid to the Bayesian analysis of linear regression models. Also simple time series models will be considered. An important part of the course is the treatment of simulation-based methods such as Markov chain Monte Carlo (Gibbs sampling, data augmentation, Metropolis-Hastings method) and Importance Sampling, that are often needed to compute Bayesian estimates and predictions and to perform Bayesian tests.

Aanvullende informatie onderwijsvormen

Lectures and exercises in the computer lab.

Toetsvorm

Final written exam – Individual assessment.
Exercises - groups of 1 or 2 students.

Literatuur

Slides and exercises that will all appear on Canvas.

Aanbevolen voorkennis

Programming, Econometrics I, Numerical Methods.

Behavioral Finance and Real Estate

Vakcode	E_MFRE_BFRE
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. M.J. van den Assem
Examinator	prof. dr. M.J. van den Assem
Betrokken Docenten	prof. dr. M.J. van den Assem
Onderwijsvormen	Lecture

Doel vak

After successfully completing this course you:

- are able to write a research proposal in the area of behavioral finance and real estate (Academic and Research Skills);
- understand how people are subject to distortions or biases in their beliefs and have preferences that are not understood in a normatively acceptable framework (Bridging theory and practice - knowledge);
- understand how behavioral biases affect the decisions of participants in real estate markets (Bridging theory and practice - knowledge);
- understand how the bounded rationality of market participants can explain the dynamics of real estate markets (Bridging theory and practice- knowledge).

Inhoud vak

This course provides a behavioral perspective on real estate decision making and markets. In particular, students learn how behavioral biases affect the decisions of participants in real estate markets, and how the bounded rationality of market participants can explain real estate market dynamics. The course starts with a general introduction into the psychology of decision making. Next, it turns to the topics of property valuation, negotiation, and mortgage choice. The final part considers the efficiency and dynamics of real estate markets, with a special focus on bubbles and crashes.

Aanvullende informatie onderwijsvormen

Lectures

Toetsvorm

Written exam and assignment

Literatuur

- Bazerman & Moore, Judgment in Managerial Decision Making, Wiley, most recent edition.
- Selected articles (to be announced).

Aanvullende informatie doelgroep

This course is part of the Minor Real Estate Economics and Finance, and also included in the program of the Minor Risk Management for Financial Institutions.

Behavioral Game Theory

Vakcode	E_HP2_BGT
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. H.E.D. Houba
Examinator	dr. H.E.D. Houba
Betrokken Docenten	dr. H.E.D. Houba
Onderwijsvormen	Lecture

Doel vak

To get acquainted with behavioral game theory: what is it, what does it want to accomplish, and can it deliver with respect to the aims it has set. This includes explaining why observed behavior in experiments systematically deviates from predictions made by classical Game Theory.

Through performing classroom experiments students will get a more intense experience of what it means to participate in a game setting, to

better interpret and understand experimental design and develop a critical attitude towards empirical evidence from experiments.

Inhoud vak

Everywhere people, firms and institutions interact with each other in many different settings. For instance, negotiations for a contract or treaty, individuals or firms contributing to a joint partnership, managers motivating employees. Firms competing on the market, including web-shops, procurement auctions in B2B for contractors, and art-lovers competing at Christie's. In all cases, the final outcome for each participant also depends upon the strategic behavior of others. Each participant has to deal with the strategic uncertainty about how the others will behave. Game theory deals with such strategic uncertainty.

For these reasons, game theory has become an influential toolbox in all branches of Economics, Finance, Management Science and other Social Sciences. It sometimes serves a normative role for policy advice (keeping to the same side of the street reduces accidents), and at other times a descriptive role (keeping the same side of the street is stable and explains why tourists from the UK keep right in Amsterdam). There is also substantial evidence from experiments and reality that prediction by Game theory (and Economic Theory in general) are often different from empirical evidence. This course offers an inquiry for understanding the discrepancy between theory and reality. Also, recent theoretical developments to resolve this discrepancy need investigation.

The inquiry starts with laying bare the foundations of Game Theory: What are the driving principles and can these principles be tested in practice? What empirical evidence has behavioral economics produced, in particular for game theoretic experiments. This evidence will be investigated to establish the discrepancy between theory and reality. Finally, theoretical attempts to restore the descriptive power of Game Theory are discussed.

Aanvullende informatie onderwijsvormen

Because of the small group size (about 15-20 students), the format differs from regular bachelor courses. The course consists of a mixture of classroom experiments, (online) lectures in which participants and lecturer interact, presentations, discussions, reading scientific literature.

Toetsvorm

Presentation and a final individual assignment that includes conducting experiments and writing an essay.

Vereiste voorkennis

None, except some elementary knowledge of economics and statistics.

Literatuur

Selected scientific articles that are disclosed through Canvas.

Aanvullende informatie doelgroep

Honours students from SBE, PPE and Earth & Economics. Other honours students may be admissible too and are requested to contact the course coordinator to check preknowledge and approval of admission

Afwijkende intekenprocedure

SBE rules and dates apply for this SBE HP course. Registration for this SBE HP course is via VU.nl

Toelichting Canvas

Canvas

Aanbevolen voorkennis

Some elementary knowledge of economics and statistics.

Behaviour Genetics in Psychology (UM)

Vakcode	P_UBEGEPS
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. B. Sauce Silva
Examinator	dr. B. Sauce Silva
Betrokken Docenten	dr. E. van Bergen, dr. B. Sauce Silva, prof. dr. M. Bartels, dr. R. Pool, dr. J. van Dongen
Onderwijsvormen	Lecture

Doel vak

To gain knowledge on the latest research and state of affairs within the field of behavioural genetics applied to psychology.

Inhoud vak

Behaviour genetics is the field that uses genetic methods to investigate why certain traits run within families. Family members may be alike in personality, behaviour, cognition, psychological health, and lifestyle because they share their home environment but also because they are genetically related to each other. This course will focus on the influence of genes and the environment, and their interplay, on individual differences between people. We will discuss various research methods in behaviour genetics, including twin and family studies, and genome-wide association studies.

Note that before 2022, this course was called "Twin Research in Psychology".

Aanvullende informatie onderwijsvormen

14 lectures (fully on campus), weekly online assignments, and self-study.

Toetsvorm

The multiple-choice exam will consist of questions covering the literature and lectures. To complete the course you must pass the exam, hand in the essay writing activity, review 2 blogs written by other students, and have completed and submitted via CANVAS at least 80% of the other assignments.

Literatuur

The textbook is recommended but not mandatory. Use the book as supporting material: to see more examples, to find background information, to get references, etc.

Behavioral Genetics (7th Edition). Editors Knopik, Neiderhiser, DeFries, and Plomin. New York, NY: Worth publishers (ISBN: 978-1464176050).

Aanvullende informatie doelgroep

Students in the University Minor "Psychology and the Brain".

This course is NOT meant for BSc VU Psychology students. If you're a student in the Psychology department, you CANNOT take this course.

Belastingrecht 1

Vakcode	EPG_A_BR1
Studiepunten	6.00
Periode	P1, P4
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	School of Business and Economics
Vakcoördinator	drs. M.A. Wiebes
Examinator	prof. dr. O.C. van Leeuwen
Betrokken Docenten	drs. M.A. Wiebes
Onderwijsvormen	Hoorcollege

Doel vak

Voor accountants en controllers is kennis van het belastingrecht een absolute must. Zij moeten namelijk de fiscale gevolgen van juridische handelingen begrijpen en kunnen duiden. Dit klemt te meer nu het bedrijfsleven steeds vaker in complexe juridische (concern)structuren is georganiseerd, met alle fiscale gevolgen van dien. Accountants dienen primair de fiscale positie van een onderneming zoals die zich vertaalt in balansposten te kunnen beoordelen. Daarnaast dienen zij als intermediair te kunnen fungeren tussen opdrachtgevers (ondernemingen en/of particulieren) en fiscale specialisten. Zij dienen met andere woorden de fiscale problematiek te onderkennen. Dit wordt van steeds meer belang nu het belastingrecht jaarlijks gecompliceerder wordt en de fiscale gevolgen van allerlei beslissingen materieel een voortdurend grotere rol spelen. Het internationaal en Europees belastingrecht wint daarbij sterk aan betekenis. Waar nodig zal hieraan dus ook aandacht worden besteed.

In dit vak ligt de nadruk op het verwerven van kennis en inzicht met betrekking tot het formele belastingrecht zoals dat is verwoord in de AWB en de AWR, de invorderingswet, de loonbelasting, de omzetbelasting en de overdrachtsbelasting. Daarnaast moet de student zich de hoofdzaken van het positieve belastingrecht met betrekking tot de fiscale winstbepaling eigen maken, zoals dat is vastgelegd in de inkomstenbelasting en vennootschapsbelasting. Tevens dient men inzicht te verwerven in de onderlinge samenhang van de verschillende belastingen.

Inhoud vak

In de colleges wordt de stof uit het voorgeschreven studieboek verduidelijkt. Voorts dient men de basiskennis te verdiepen door deze toe te passen op aan de praktijk ontleende cases, zodat men later in de praktijk fiscale aspecten kan onderkennen. Aan het begin van de cursus wordt een gespecificeerd studieprogramma beschikbaar gesteld.

Aanvullende informatie onderwijsvormen

In het eerste semester wordt een volledige collegecyclus gegeven van 6 hoorcolleges. In het tweede semester is sprake van een zelfstudie module, met de mogelijkheid gedurende een tweetal responsiecolleges vragen over de stof te stellen. De hoorcolleges in het eerste semester worden gedurende zes weken gegeven op de vrijdagmiddag. Ieder college bestaat uit een theoretisch gedeelte (hoorcollege) en een praktisch gedeelte (toepassing in praktijkcases). De cursus is zo opgebouwd dat de moeilijkheidsgraad toeneemt, onder andere door een toenemende complexiteit in de cases. Voorbereiding van de colleges en de cases door studenten is cruciaal. Actieve participatie is hierdoor pas echt mogelijk, waarmee de slagingskans voor het tentamen wordt vergroot. Belastingrecht wijzigt sneller dan menig ander rechtsgebied. Het is dan ook aan te raden de colleges te volgen, ook

indien in een voorgaand collegejaar reeds een keer de collegecyclus is gevolgd.

Toetsvorm

Er wordt een schriftelijk tentamen afgenomen met open vragen over de theorie en over toepassing van die theorie aan de hand van gestructureerde cases. Tentamens worden te allen tijde afgenomen op basis van actuele stand van de wetgeving.

Literatuur

- Stevens L.G.M. en De Smit, R.C. Elementair belastingrecht voor economen en bedrijfsjuristen editie 2023/2024, Kluwer, Deventer, (beoogde verschijningsdatum augustus 2023)
- Kopie sheets en casuïstiek (Canvas)
- Wetboek (pocket belastingwetten 2023 (periode 1) danwel 2024 (periode 4) van Kluwer (voorkeur), Vermande of SDU)

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Biologische Psychologie (UM)

Vakcode	P_UBIOPSY
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. D. van t Ent
Examinator	dr. D. van t Ent
Betrokken Docenten	dr. D. van t Ent
Onderwijsvormen	Hoorcollege

Doel vak

Inzicht verwerven in de structuur en functie van het zenuwstelsel en de rol van het zenuwstelsel in (ab)normaal gedrag.

Inhoud vak

Begrippen uit de biologie aansluitend bij de processen die men in de psychologie bestudeert. Aan de orde komen structuur en organisatie van het centrale en perifere zenuwstelsel, neurotransmissie, psychofarmaca en de biologische mechanismen achter waarnemen, motoriek, emoties, slaap en de hogere cognitieve functies (geheugen, spraak). Tijdens de colleges wordt tevens ingegaan op neurologische stoornissen (Parkinson, Broca's afasie, Alzheimer etc.) en de biologie van gedragsstoornissen (slaapstoornissen, psychosen, angst, depressie, verslaving).

Aanvullende informatie onderwijsvormen

Hoorcollege

Toetsvorm

Tentamen

Literatuur

Carlson and Birkett - Physiology of Behavior

(13th Ed). Pearson. Verkrijgbaar in de VU boekhandel.

Brain in Trouble

Vakcode	AB_1038
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. H.K.E. Vervaeke
Examinator	dr. A. Baldi
Betrokken Docenten	dr. H.K.E. Vervaeke, prof. dr. T.J. de Vries
Onderwijsvormen	Study Group, Computer lab, Lecture

Doel vak

The goal of this course is to deepen understanding of the etiology, expression and treatment of (psychiatric) brain disorders, as well as models used in preclinical science. Students will be encouraged to critically analyze the impact of brain disorders on society.

Learning outcomes:

After completion of this course, the student is able to:

- 1) Explain the contribution of genetic and environmental factors to complex multifactorial diseases such as mental traits and mental disorders
- 2) Elaborate on the etiology of addiction, ADHD, obsessive-compulsive disorder, eating disorders, mood disorders and anti-social personality disorder
- 3) Elaborate on the various treatment options for psychiatric disorders
- 4) Explain gene-environment interactions and discuss some examples
- 5) Elaborate on the differential role of the environment in the etiology of traits / disorders according to the 'differential-susceptibility hypothesis'
- 6) Summarise, understand and apply the results of current neurobiological research into behavioural interventions to increase brain health and mental well-being
- 7) Critically reflect on the impact of mental disorders on society
- 8) Critically reflect on the boundaries between normal (healthy) and abnormal (ill) behaviour and the implications for society
- 9) Verbally defend a position on the various topics of this course (class discussions, ACADEMIC SKILL)

Inhoud vak

The focus of this course is on the etiology of mental disorders, such as addiction, ADHD, obsessive-compulsive disorder, eating disorders, mood disorders and anti-social personality disorder, with special attention to the nature-nurture discussion. Various treatments options for these conditions will be discussed, including the use of pharmacological agents, behavioral therapy and deep brain stimulation. Students will be challenged to critically reflect on the boundaries between normality and abnormality and the implications for society.

First Theme: addiction and impulsivity

What is addiction? Is addiction truly a brain disorder? Do genes play a

role in addiction? How does society view illicit drug use and addiction? Are all drugs equally harmful? How to treat addiction? Is ADHD a real mental disorder, or a cultural construct used to bring deviant or socially undesirable behavior under medical surveillance and control? Is it a good idea to treat children who have been diagnosed ADHD, with psychostimulant medications? What is the role of pharmaceutical companies? Do sugar and food additives elicit hyperactive behavior? Are there any advantages in having ADHD?

Second Theme: obsessive compulsive disorders, eating disorders and cognitive enhancement

Can you treat OCD with Deep Brain Stimulation? Is our Western beauty ideal at the root of eating disorders? Is the individual to blame for being obese? Is it ethical to improve your mental performance by cognitive enhancers?

Third Theme: mood & social behaviours

Is depression a real brain disorder or an inability of our culture to accept sadness as an integral part of life? Do genes play a role in the etiology of major depressive disorder and bipolar disorder? What is the efficacy of pharmacotherapy and behavioral therapy? What is the role of pharmaceutical companies?

Is there a neural basis to antisocial behavior? If biology and circumstance conspire to prime certain individuals toward violence, how much responsibility do people really bear for their actions? Are violent delinquents worth treating? Should brain imaging / genetic profiling be used in legal cases? Can neuroscience assist in determining responsibility? If neural circuitry underlying morality is compromised, is it morally wrong to punish prisoners? Are there positive aspects to psychiatric disorders?

Next, the healthy mind will be the focus. What is the current state of neurobiological research into behavioral interventions to increase brain health and mental well-being?

Aanvullende informatie onderwijsvormen

Lectures (30 hours), computer practical (2 hours), class discussions (2 hours)

Course coordinators are Hylke Vervaeke and Taco de Vries

Toetsvorm

Written exam (combination of MC-questions and open-end questions) (75%) and class discussions (25%), each at least grade 5.5

Vereiste voorkennis

This course is part of the minor Brain and Mind. University students need at least 90 ECTS to be eligible for (courses in) this minor. HBO students can follow (courses in) this minor if they have at least 120 ECTS.

Literatuur

"Foundations Of Behavioral Neuroscience" by N.R. Carlson (Pearson Education (US)), 8th edition.

Extra literature on Canvas

Aanvullende informatie doelgroep

Part of minor Brain and Mind

Open to students from all educational backgrounds (e.g., exact, social, life and economic sciences) with an interest in the brain and mind.

Due to curriculum overlap, students from Biomedical Sciences and Health

and Life Sciences from the VU cannot follow this course.

Overige informatie

Central Academic Skill: Debating and discussing

Afwijkende intekenprocedure

Groups for Class Discussions via Canvas

Aanbevolen voorkennis

The courses 'Cognitive Neuroscience' and 'Nature vs. Nurture' from the minor 'Brain & Mind'

Bubbles and Crashes

Vakcode	E_HP1_BC
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	N. Kessler MSc
Examinator	N. Kessler MSc
Betrokken Docenten	N. Kessler MSc, dr. F.C. Corell
Onderwijsvormen	Lecture

Doel vak

The goal of the course is to introduce you to the economic thinking on the causes of stock market bubbles and crashes (Bridging Theory and Practice - Knowledge & Application). Additional goals are the development of your discussion skills, presenting an writing in English, and critical research (Academic and Research Skills).

Inhoud vak

History is shaped by crises. And so is the economic and financial structure of modern economies, by the occurrence of asset prices bubbles and crashes. In this course, we will learn about historical bubbles, crises and their causes, and the economic models that offer an explanation for these phenomena. We learn how to empirically test for bubbles and discuss how to apply these skills to new bubbles, such as cryptocurrencies and NFTs.

Aanvullende informatie onderwijsvormen

The course is structured as a combination of lectures and discussion sessions, for which students have to prepare in advance. Three group assignments deal with historical crashes, empirical testing of bubbly behavior and debating current/future bubbles and crashes. Additionally, three individual assignments practice the art of giving constructive feedback.

Toetsvorm

The course grade consists for 70% of the group assignments (including participation) and 30% of the three individual assignments.

Literatuur

Relevant literature (links) are provided both in the reading list and as on-slide references.

Aanvullende informatie doelgroep

The intended audience is second and third-year students of Economics and Business Economics, (International) Business Administration, Econometrics or PPE.

Afwijkende intekenprocedure

SBE rules and dates apply for this SBE HP course. Registration via VU.nl

Aanbevolen voorkennis

Rudimentary knowledge of Finance is recommended, for example, having followed Finance I.

Business Information Systems

Vakcode	E_IBA2_BIS
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. W.A. Günther
Examinator	dr. W.A. Günther
Betrokken Docenten	dr. W.A. Günther, dr. M.G.A. Plomp
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

ACADEMIC SKILLS

After successfully completing this course, the student:

- is able to put forward well-founded, substantiated points of view in written format (Argumentation). In particular, students will be required to use proper referencing and logical argumentation in the development of their assignments.

BRIDGING THEORY AND PRACTICE

KNOWLEDGE:

Demonstrates theoretical and empirical knowledge concerning

the relevant areas in international business administration

After successfully completing this course, the student:

- can explain the basic theories, models and concepts of the technological and organizational aspects of information systems and digital innovation

APPLICATION:

Can propose a solution to an international real-life

business problem by applying relevant theories and methodologies.

After successfully completing this course, the student:

- Is able to provide practical solutions to a (real-life) case by applying theory about the technological and organizational aspects of information systems and digital innovation in specific practice situations

SOCIAL SKILLS

After successfully completing this course, the student:

- is able to present (both orally and in writing) on technological and organizational aspects of information systems and digital innovation in specific practice situations
- can work well in a team and reflect on his/her own role in the team

Inhoud vak

Business Information Systems (BIS) is an introductory course on the role of Information Systems (IS) in organizations. Worldwide, IS are

prominently present in organizations and information is a crucial resource for an organization's survival. BIS focuses on how IS help managing information resources and on how organizations can benefit from these IS. In the course, we cover various topics, starting from digital innovation. Some have a more managerial focus, such as IS strategy, structure, and culture, while others have a more technical focus, such as the basics of programming and databases, recent technological developments, and security. We take an international perspective on these topics and pay extra attention to outsourcing, offshoring, and how cultures differ with regard to IT and IS adoption and use.

Aanvullende informatie onderwijsvormen

Lectures

Tutorials

Toetsvorm

Written exam

Practical assignments - group

Participation assignments - individual

Vereiste voorkennis

The course does not have mandatory entry requirements.

Literatuur

Title: Information Systems Today: Managing in the Digital World

Author: Valacich, S. J., Schneider, C., & Hashim, M. (2023)

Edition: 9/e, Global Edition

ISBN: Harlow, UK: Pearson Education Ltd. ISBN: 978-1-292-43811-5

Aanbevolen voorkennis

We will refer back to concepts learned in in Business Processes, People in Business and Society, Organization Theory, Global Supply Chain Management, Cross-Cultural Marketing, and Economics for the Global Era and how these relate to Information Systems.

Business Model Assessment

Vakcode	E_MUB_BMA
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. G. Tumer-Alkan
Examinator	dr. G. Tumer-Alkan
Betrokken Docenten	dr. G. Tumer-Alkan, dr. V. Duplat
Onderwijsvormen	Study Group, Lecture

Doel vak

This course has three main learning objectives:

- Gain knowledge of basic concepts and theories in corporate finance in order to assess the business models.
- Provide standard answers to hypothetical cases, e.g. through solving textbook exercises

· Apply obtained knowledge in corporate finance to real life cases, e.g. interpret financial information and provide input for corporate decision making, and improve strategic thinking.

Inhoud vak

The course will start with an introduction of business assessment approaches and basic concepts. We will start with an introduction to corporations, and proceed with financial statement analysis, financial decision making, investment decision rules, capital budgeting, and raising equity capital, etc. The focus is on applying concepts and theories to real-life situations during lectures, and providing students with feedback on their exercises and cases in the tutorials. We will explain the basic concepts and theories in the lectures, and apply to relevant exercises and cases in the tutorials.

Aanvullende informatie onderwijsvormen

Lectures and tutorials

Attendance to both lectures and tutorials is highly recommended to pass the course

Toetsvorm

Your final course grade will be based on your written exam and assignments. More details are available in the course manual.

Literatuur

“Corporate Finance” by Jonathan Berk and Peter DeMarzo, 4th edition.

Overige informatie

Taking the other P1 and P2 courses in the minor (New Ways of Doing Business) is strongly recommended.

Aanbevolen voorkennis

P1 courses in the minor

Business Models: Traditional and Emerging Perspectives

Vakcode	E_MUB_BMT
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. T.P. Moliterno
Examinator	prof. dr. T.P. Moliterno
Betrokken Docenten	prof. dr. T.P. Moliterno
Onderwijsvormen	Study Group, Lecture

Doel vak

Though the combination of lectures, case discussions, guest lectures, teamwork, and an individual essay, students will encounter and engage with core concepts surrounding the dimensions of competitive advantage, industry-level competitive dynamics, business model design, and business model innovation. This combination will help students develop a competence in understanding and analyzing business models and identifying opportunities for business model innovation in today's dynamic business environment.

After successfully completing Business Models: Traditional and Emergent Perspectives, students will:

- understand the core theories and ideas surrounding business-level strategy
- understand how traditional and emergent business models implement a business-level strategy
- be able to effectively apply their conceptual understanding of the course concepts in real-world settings

- be able to draw on evidence to put forward well-founded and substantiated points of view, both in spoken and written formats
- gain comfort and competence in discussing business concepts in unprepared/real-time discussions and debates
- improve their skills in working effectively with teammates from with diverse backgrounds
- gain competence in allocating tasks among team members under time pressure
- develop their critical thinking and creativity in their problem-solving approach
- hone the critical thinking need to analyze and evaluate complex organizational problems and make well-reasoned decisions

Inhoud vak

The central concern of strategic management is understanding what drives firm performance. Why do some firms outperform others? Why do some prosper and grow, while others in the same industry die? In short, how—and why—do firms create value? The firm's strategy is its approach to gaining a competitive advantage and its business model is way it executes on that strategy to create, deliver, and capture value .

This course begins with an in-depth exploration of ideas around business-level competitive advantage, value creation, and industry-level competitive dynamics. We build on these foundations to explore how business models address these competitive realities. In this way, the course provides a "deep-dive" into the relationship between an organization's strategy and its business model. Students will learn about both traditional and emergent business models and explore their connection with theories of business-level strategy.

Aanvullende informatie onderwijsvormen

This course takes an active blended learning approach that leverages both synchronous (face-to-face & on-campus) and asynchronous (remote & on-line) modes of teaching and learning. Students are expected to fully engage in both the synchronous and asynchronous classes. Remote participation in the synchronous on-campus sessions is not an option.

The first lecture every week will comprise one or more "knowledge clips" that students will watch on-line. These knowledge clips are short videos that will introduce the topics and lay the foundation for the material students will explore that week. Note that the material in this course is cumulative, so the ideas in any one week's knowledge clips will build on, and require an understanding of, the material from prior weeks. To get the full value from these knowledge clips, the readings assigned for these sessions must be read before watching the videos. The material presented in the knowledge clips will assume that students have read the assigned materials. After completing the readings and watching the knowledge clips, students will take a comprehension quiz.

On-campus lecture sessions will provide students with the opportunity to explore more fully the material presented in the week's knowledge clips. These classes will be interactive: there will be no direct lecturing, and the content for each session will be determined by the students' questions, interests, and results from the comprehension quiz. Students should come to the class with the questions, observations, thoughts, and points of clarification that occurred to them when they did the readings and watched the knowledge clips for the week. Guest speakers may also be scheduled during these sessions. Attendance is not required for these sessions, but is strongly advised in order for the student to get the full benefit of the course. These sessions will not be recorded or streamed. Students actively participating during these sessions may earn extra participation points for the week.

The tutorials combine case studies and team presentations/work. Students should come to the tutorials having fully prepared the case and/or the other readings assigned for the session. These will be discussion-based sessions, where the students are expected to do most of the talking: active in-class participation is required and graded. Since much of the work we will do in the tutorials is team-based, students must come to the tutorial they for which they registered and attend that same tutorial for the whole course: there will be no exceptions to this. Attendance is mandatory for all tutorials. Students are allowed one unexcused absence from the tutorials. Each additional absence will result in a 0.5-point deduction from the student's final grade for the course.

One distinguishing aspect of this course is its interactive nature. Students are expected to be active participants in all class discussions. As such this course provides the opportunity for students to become more comfortable with, and develop their competency in, an important skill for career success: engaging in unscripted and organic group discussions and debates.

Toetsvorm

There are both individual and team-based assessments.

Individual: class participation, weekly quizzes, essay (NOTE: there is no exam &in-class participation is graded)

Team: company analysis, presentations, and projects TBA

Vereiste voorkennis

There are no mandatory entry requirements. Students are STRONGLY encouraged to take the first two courses in the "New Ways of Doing Business" minor program: this course will build on some of the material covered in those courses. For students not taking the prior courses in the minor, some familiarity with, and interest in, modern business will be helpful.

Literatuur

Required readings will include on-line resources and articles available through the VU library. There is no required textbook.

Aanvullende informatie doelgroep

This course is in the New Ways of Doing Business Minor in Business Administration.

Toelichting Canvas

Outside of the classroom, Canvas will be used as the main mode of communication between the instructor and students.

Business Professionals

Vakcode	E_MUB_BPROF
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	drs. A.C. Guldemon
Examinator	drs. A.C. Guldemon
Betrokken Docenten	drs. A.C. Guldemon
Onderwijsvormen	Study Group, Lecture, Instruction course

Doel vak

In the course Business Professionals, the focus is on the human element in the business modeling paradigm. The overall objective is gain knowledge about business models and management from the perspective of the professional.

In addition to academic skills, the course emphasises professional skills, including creativity, communication, team work and reflexivity. This is covered both in the theory part as wel as in the training part (tutorials) of this course.

In particular, when students complete this course, they will:

- Understand the profiles of key business professional roles such as chief executive officers, marketing, finance, human resources, operations and technology executives
- Be able to apply ideas about professionals for a reflection on their own background, personal role and career development as a (future) business professional
- Be able to formulate and analyze business modelling problems from the perspective of the business professional

- Be able to report verbally and in written report on assignments in the course.

Inhoud vak

During the course students will explore cases and theories about the contribution of professionals in management and organization. Guiding questions are: Who are the people behind the key strategic decisions for the business model of an established firm or a new business venture? What functions, behaviors and capabilities are required for successful collaboration on the design and implementation of new business models? The content of the course entails an even-handed appreciation for theory and practice.

Aanvullende informatie onderwijsvormen

Lectures and tutorials --- Attendance to both, lectures and tutorials, is highly recommended to pass the course

In the first part of the course, lectures start with an introduction to (management) professionals; their task, responsibilities, and activities. Throughout the tutorials, students have the opportunity to apply the theoretical frameworks introduced in the lectures. To this end, the tutorials combine assignments, case studies and round-table discussions. Students are expected to actively contribute to the group's experience and learning.

Toetsvorm

Written exam, assignments, presentation

Literatuur

A selection of articles, cases and support materials and the following book.

Book: Hitt, M. A., Miller, C. C., & Colella, A. (2017). Organizational behavior. John Wiley & Sons

Overige informatie

Taking the other P1 and P2 courses in the minor Business Administration is strongly recommended

Business Project

Vakcode	E_MUB_BPROJ
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. L. Glasbeek
Examinator	dr. L. Glasbeek
Betrokken Docenten	dr. L. Glasbeek
Onderwijsvormen	Study Group, Lecture

Doel vak

Upon successful completion of the course, students have developed themselves in the following five areas:

(1) Academic and Research Skills

- Students can examine management challenges from different perspectives ("analysis").
- Students can recognize fundamental structures and leave out irrelevant information ("abstraction").

- Students can put forward well-founded, substantiated points of view, both in spoken and written format ("argumentation").

- Students can design and execute a management consultant research project and develop meaningful interpretations and presentations of their findings.

(2) Bridging Theory and Practice

- They can identify and apply relevant management theories to organizational challenges and meaningfully formulate practical and innovative recommendations to overcome these.

(3) Social Skills

- They can productively and independently engage in teams and, where applicable, with external organizations.

- They can put the needs of others before their own.

- They can lead others and communicate with integrity and conviction.

(4) Broadening Your Horizon

- They can consider society at large when addressing complex business issues.

(5) Self-Awareness

- They can critically reflect on their actions, responsibilities, and personal development.

Inhoud vak

The course's main objective is to familiarize students with some of the most significant challenges of conducting a management consultancy project. The course encourages a critical appraisal of various

theoretical perspectives in the business administration domain and empirically investigates an applied research question. By designing and executing a management consultancy project, students become acquainted with the challenges that researchers face when considering management at large. Lastly, and importantly, students will learn to communicate their views succinctly, both verbally and through a written research report.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

Management Consultancy Report – Team assessment.

Intermediate Progress Reports & Presentations – Team assessment.

Professional Reflection – Individual assessment.

Vereiste voorkennis

University Minor Business Administration Courses: Foundations of Business Administration, Business Professional, Business Model Innovation, and Business Model Assessment.

Literatuur

Selection of articles.

Climate Change Law

Vakcode	R_TL-TP
Studiepunten	6.00

Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	C. Kaupa
Examinator	C. Kaupa
Betrokken Docenten	C. Kaupa, dr. D. Rossati LLM
Onderwijsvormen	Lecture

Doel vak

The course analyzes climate change as an evolving, transnational legal phenomenon.

Students will learn to work across different legal fields (ranging from international and human rights law to private and economic law) and different jurisdictions (including international, European, national and local regulation), and to handle legal questions in the context of complex and shifting economic, political, social and ethical debates. Students will be encouraged to participate in the course of the lectures, with the goal of developing the sort of critical and analytical skills conducive to the practice of transnational law, and to understanding transnational global developments. The course approach matches the faculty's "Law in Action" profile.

Eindtermen: 1-5, 7-14, 16, 18-22.

Zie voor de eindtermen het Onderwijs- en Examenreglement Bachelor Rechtsgeleerdheid.

Inhoud vak

Climate change is one of the most pressing issues the world faces in the 21st century. It is also a particularly complex and interesting problem from a legal perspective: this is because climate change affects multiple jurisdictions (from the international to the local level), numerous areas of law (ranging from international to private law) and multiple actors (ranging from governments and international organizations to multinational businesses, NGOs and private citizens). Moreover, complex scientific, economic, political, social and ethical questions feed into the legal processes.

Analyzing the interaction of different legal fields:

Greenhouse gases originate from a broad range of activities, including energy production, industry and transport to agriculture. These are regulated in, or otherwise affected by, numerous fields of law, such as international law, European and national economic law, private law, environmental law, international trade and investment law and human rights law. Tackling climate change therefore requires understanding how these various legal fields interact.

Analyzing how different jurisdictions interact:

Climate change is a transnational phenomenon, having local causes, but creating global effects: consequently, the problem must be addressed at the same time at a global scale, by regional organizations (such as the EU), at the national and at the regional level (e.g. cities). The course will look at how these different jurisdictions interact.

Understanding the role of different legal actors:

Climate change is not only a concern for national governments and international organizations. The European Union, as a regional organization, has long been an important actor in this field; moreover, non-state actors play an important role as well: multinational businesses, NGOs and private citizens aim to influence the regulatory process, most notably by bringing lawsuits. The course will analyze the activities of these different actors.

Understanding the context of climate change law:

Climate change has complex scientific, economic, political, social and ethical dimensions: for example, given that the emission of greenhouse gases is related to many different business sectors, a transition towards a low-carbon society will likely transform the existing economy in significant ways. This will inevitably create „losers“ along the way (e.g. coal and oil companies), who may aim to slow down the transition, thereby posing difficult economic and political questions. Or, to give another example, as greenhouse gas emissions are related to consumption, they are mainly attributable to the wealthy parts of the global population; however, climate change disproportionately affects poor populations in developing countries, and therefore raises complex ethical issues. In this course, we will study how scientific, economic, political, social and ethical questions feed into the legal process.

The course will cover:

Part 1: the science, economics and politics of climate change;

Part 2: Climate change as a global issue; the international climate change regime (e.g. Paris Agreement), international law, human rights law and international trade and investment law;

Part 3: European and national legislation (e.g. Emissions Trading System)

Part 4: Lawyering for change (e.g. lawsuits against governments and businesses in the US and in Europe)

Aanvullende informatie onderwijsvormen

Lectures, in-classroom research tasks, guest lectures, home assignments, group research project

Toetsvorm

Smaller written and oral assignments throughout the course and a final written assignment.

Literatuur

The literature will be announced on Canvas.

Aanvullende informatie doelgroep

Apart from regular students, the course is also available for:

Students from other universities/faculties

Exchange students

Contractor (students who pay for one course)

Overige informatie

The following course objectives are only available in Dutch:

Eindtermen bachelor Rechtsgeleerdheid

De afgestudeerde bachelor beschikt over een fundamenteel academisch werk- en denkniveau;

-heeft kennis van en inzicht in de kernleerstukken van de hoofdonderdelen van het geldende recht (in het bijzonder het Nederlandse privaatrecht, staatsrecht, bestuursrecht, strafrecht en internationaal en Europees recht), alsmede de systematiek daarvan, met inbegrip van recente ontwikkelingen

-heeft kennis van en inzicht in het internationale en het Europese recht in hun verhouding tot het nationale recht

-heeft elementaire kennis van Engelse juridische terminologie

-beseft dat het recht zich ontwikkelt en manifesteert in een maatschappelijke context

-heeft kennis van de grondslagen van het (Nederlandse) recht, rechtshistorische en rechtsfilosofische aspecten en heeft besef van de eigen aard van de rechtsbeoefening

De afgestudeerde bachelor beschikt over de volgende (juridische) vaardigheden:

Analytische vaardigheden

- lezen, begrijpen en analyseren van juridische, rechtswetenschappelijke en rechtstheoretische teksten en betogen, waaronder jurisprudentie en wetgeving
- kritisch reflecteren op regelgeving, rechtspraak en literatuur, onder meer vanuit rechtshistorisch, rechtsvergelijkend en rechtsfilosofisch perspectief; is in staat om te reflecteren op de grenzen van het vakgebied
- reflecteren op de eigen maatschappelijke verantwoordelijkheid in de maatschappelijke context waarin het recht functioneert
- is in staat om juridische argumentatiestructuren te analyseren en op te zetten

Probleemoplossende vaardigheden

- selecteren van juridisch relevante feiten uit een feitencomplex
- selecteren van rechtsregels die bijdragen aan het oplossen van een juridische casus
- oplossen van juridische casus, waaronder begrepen hanteren van een systematische aanpak bij het toepassen van rechtsregels op concrete gevallen

Communicatieve vaardigheden

- een gefundeerde en beargumenteerde positie innemen in een maatschappelijk, juridisch debat

Informatievaardigheden

- op een efficiënte manier juridische bronnen raadplegen en informatie verzamelen uit juridische (digitale) bibliotheken en databestanden, en de waarde, relevantie en kwaliteit van de informatie beoordelen
- op efficiënte wijze relevante ontwikkelingen bijhouden en kennis actualiseren

Cognitive Neuroscience

Vakcode	AB_1056
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. C.P.J. de Kock
Examinator	prof. dr. M.P. van den Heuvel
Betrokken Docenten	dr. S. van der Sluis, prof. dr. S. Spijker, dr. C.P.J. de Kock, dr. P. Rao MSc
Onderwijsvormen	Study Group, Computer lab, Lecture, Practical

Doel vak

Introduction to the field of cognitive neuroscience: understanding the biological mechanisms underlying cognitive processes such as learning and memory, discussing recent developments in the field with leading scientists, and acquiring knowledge on how the brain, and its different cell types, systems, and function.

Inhoud vak

In the first course of this Minor, you will learn the basics of cognitive neuroscience through a series of introductory lectures on brain function and (dysfunctional) cognitive behavior. More specifically, we will teach you the structure and function of the major building blocks of the brain, ranging from single cells to neuronal networks, and from emotion to motor control. We combine workshops and keynote lectures, delivered by renowned neuroscientists, to discuss

recent advances in the field of learning and memory, brain plasticity, and brain disease (e.g., developmental disorders, Angelman syndrome, PTSD). Finally, you will learn about frontier brain imaging methods (e.g. MRI) and experience various technical approaches to measure the brain (e.g., histology) in hands-on practicals.

Aanvullende informatie onderwijsvormen

Teaching and learning activities will be scheduled on campus (by estimation) 2 times/week. Additional activities include individual assignments, group assignments, computer programming and self study.

Toetsvorm

Written exam & assignments

Vereiste voorkennis

This course is part of the minor Brain and Mind. University students need at least 90 ECTS to be eligible for (courses in) this minor. HBO students can follow (courses in) this minor if they have at least 120 ECTS.

Literatuur

Recent literature, to be announced at the start of the course.

Foundations of Behavioral Neuroscience
Carlson, Neil R.
(9th edition)

Exam material:
CH2, CH3, CH5, CH6 (pg. 136 - 146), CH7 & CH12

Aanvullende informatie doelgroep

Open to students from all educational backgrounds (e.g., exact, social, life and economic sciences) with an interest in the brain and mind. Due to curriculum overlap, students from Biomedical Sciences and Health and Life Sciences from the VU cannot follow this course.

Overige informatie

Coordinators: Christiaan de Kock and Martijn van den Heuvel.
No special requirements to be met.
Part of minor Brain and Mind.
This minor course requires a minimum of 25 participants to take place.

Computational Methods in Econometrics

Vakcode	E_MFAE_CME
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. M. Friedrich
Examinator	dr. M. Friedrich
Betrokken Docenten	mr. M.H.C. Nientker, dr. M. Friedrich
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

In statistics and econometrics, we often base our test statistics and confidence intervals on quantities with unknown distributions. The typical solution to deal with this is to either derive the finite sample distribution through hard analytical work, or derive its limiting distribution and use it as an approximation. In this course, we will study how to

perform tests using alternative ways based on computer simulation. The main examples of these methods are Monte-Carlo testing and bootstrap, which can lead to much more accurate inferences than the traditional methods in certain situations.

The main goal of this course is twofold: (1) to understand the theory behind Monte-Carlo and bootstrap methods and (2) to be able to apply them in practice using your computer.

Inhoud vak

In this course, we discuss numerical and simulation-based estimation methods and their use in econometrics and data science. We start with a small recap of statistics (in particular, estimators, test statistics and their distributions). In the second part, we discuss the assumptions made for these results and introduce a new simulation-based hypothesis testing method called Monte Carlo testing. In the third part, we move to a more complex setting where less assumptions are made, and we discuss the foundations of bootstrap testing.

We illustrate how these methods are used in practice for a variety of econometric models including nonlinear models, models allowing for heteroskedasticity and autocorrelation.

Aanvullende informatie onderwijsvormen

Lectures (4 hours per week) to introduce the new methods and concepts;
Work groups (2 hours per week) to work on exercises and, later in the course, to work on homework assignments.

Toetsvorm

- Written exam
- Assignments

Literatuur

The course uses lecture notes that are available on Canvas.

The following books can serve as additional material to help you study (optional):

- Russell Davidson & James G. MacKinnon - Bootstrap Methods in Econometrics.
- Joel L. Horowitz - The Bootstrap.
- A.C. Davison & D.V. Hinkley - Bootstrap Methods and their Applications.

Aanvullende informatie doelgroep

This course is part of the **technical track** of the minor Applied Econometrics. To follow this course you should be following a bachelor in econometrics or a study with equivalent statistics background.

Aanbevolen voorkennis

- Introductory courses in Econometrics and Statistics;
- Basic programming skills: some familiarity with one of [Python, MATLAB, R]

Conflict and Peacebuilding: Local and Global Perspectives

Vakcode	S_CPB
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels

Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. M. Matelski
Examinator	dr. M. Matelski
Betrokken Docenten	dr. S. Sremac, dr. M. Matelski, prof. dr. D.A. Forster, dr. J.K. Maiyo
Onderwijsvormen	Seminar, Lecture, Written partial exam

Doel vak

The aim of this course is to introduce students to the causes and dynamics of conflict and the key approaches to conflict transformation, reconciliation and peacebuilding in (post-)conflict societies, with specific emphasis on the local level and with ample attention for individual circumstances and dispositions.

When finalizing the course, students will be able to:

- understand the main approaches and theories related to the root causes, local dynamics, transformation and resolution of conflicts;

- understand the role and complexity of intersectional identities (e.g. religion, gender, class, ethnicity, sexuality, etc.) in conflict occurrence, transformation and resolution;

- apply multiple perspectives and insights from various disciplines to specific case studies in (post-)conflict societies.

Inhoud vak

Since the early twentieth century, the world has been shaken by war, ethnic cleansing, crimes against humanity and genocide, followed by transitional and transformative phases of conflict management, conflict resolution and peacebuilding. In order to understand the root causes of conflict and its local dynamics as well as conflict transformation and reconciliation efforts, it is necessary to focus on the everyday experiences, interests, and needs of the different actors involved in these processes on the micro-level. This course will therefore integrate local perspectives from various parts of the world in comparison to global trends and developments.

Given the changing nature of conflict, this course discusses and examines some of the key concepts and recent developments in relation to distribution and inequality, governance and human rights, as well as the influence of external interventions such as peacekeeping missions and development schemes, and the interplay between local and international justice mechanisms, which all influence the onset, course, and solutions available in situations of conflict.

The course will pay attention to these practices and initiatives in different national, cultural and political environments, drawing from examples in Africa, the Americas, (South)East Asia, Europe, and the Middle East. Based on various case studies presented by (guest) lecturers with expertise in fields such as migration, religion, ethnicity, gender and development, students will be presented with a comprehensive understanding of the root causes, dynamics, and transformation of conflict in various societies. Students will apply these insights in a group presentation and a written exam with short essay questions.

Aanvullende informatie onderwijsvormen

- Interactive (guest) lectures discussing various case studies.
- Working group sessions and group presentations.
- Study visit to an international tribunal and/or NGO in The Hague.

Toetsvorm

Individual exam

Group presentation

Literatuur

Selection of articles and book chapters (available via Canvas and VU library).

Aanvullende informatie doelgroep

Students in the minor Peace and Conflict Studies.

Overige informatie

This course has an exam in the last week of November and mandatory tutorials until 13 December. It is not possible to pass the course without taking part in the exam and the tutorials.

Aanbevolen voorkennis

Enrolment in 'Peace and Conflict: From Theory to Practice' is recommended.

Consumer Science for Online Commerce

Vakcode	E_MFEO_CSOC
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	K. Subrtova
Examinator	K. Subrtova
Betrokken Docenten	K. Subrtova
Onderwijsvormen	Seminar, Lecture

Doel vak

After successfully completing this course, you will be able to:

- Demonstrate a critical understanding of the key topics, concepts and theories covered in top academic journals that are important to effective consumer marketing management in the context of online commerce (Knowledge)
- Examine and understand problems from different perspective and put forward well-founded, substantiated points of view (Academic skills)
- Apply consumer-related theories, tools and strategies to real-life business problems related to online commerce (Bridging theory and practice)
- Communicate and collaborate effectively with an international cohort of classmates to design and produce case solutions (Social skills)
- Reflect upon yourself and take responsibility for your own actions (Awareness skills)

Inhoud vak

The digital age has ushered in a new era of consumer behavior, transforming how people interact with businesses and make purchasing decisions. With the rapid advancement of technology, rise of digital platforms, and widespread adoption of smartphones, companies face unique challenges and opportunities. The ability to understand, adapt, and respond to evolving consumer behavior in the digital age has become imperative for businesses survival and growth in a fiercely competitive market.

In this course you are inspired and challenged to discover the possibilities and consumer response to digital developments. Some of the topics we will cover include multiple channel realities, consumer behavior during the three important moments of customer journey online (search, purchase, and post-purchase), online marketing activities (e.g., online advertising, influencer marketing and brand-generated content on social media), mobile commerce and promotion, and electronic word of mouth.

Aanvullende informatie onderwijsvormen

Classroom discussions and tutorials (in-person), assignments (in-person and online).

Toetsvorm

Written examination: 70%;

Assignments (individual and group): 30%;

each to be completed with a minimum score of 5.0.

Vereiste voorkennis

N/A

Literatuur

Required readings consist of academic articles and will be announced via Canvas (together with other required materials).

Aanvullende informatie doelgroep

Students are expected to attend the classes and tutorials (mandatory) and take an active role as learners because the exchange of ideas and discussions are core to the learning experience. As a student, you are expected to be responsible and accountable not only for doing your individual work but also for contributing to the learning and growth of your classmates. As instructors, we will create a safe, kind, warm and welcoming environment to foster such connections and expect that you show up - physically, mentally, psychologically - to push the discussions forward. This class is not suitable for those, who want to sit back and be a one-way recipient of information. Rather, you are expected to bring and contribute to the knowledge and skills, deepen the collective thinking and move the conversation forward.

We have designed the assessments to reflect this pedagogy. Anything we discuss during the class discussions and tutorials (what is included in the slides as well as whatever we discuss that might not be included in the deck) as well as any required preparation (e.g., readings, exercises, videos, surveys) are all fair game. In other words, attending and actively participating in the class discussions and tutorials as well as thorough preparation are necessary to do well in the final exam.

Overige informatie

This course is part of the Minor E-Business and Online Commerce.

Toelichting Canvas

Modules will be added to the Course environment on Canvas on a weekly basis

Aanbevolen voorkennis

A basic understanding of marketing principles and business-related courses.

Contemporary Issues in International Management

Vakcode	E_BK3_CIIM
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. S. Baldermann
Examinator	dr. S. Baldermann
Betrokken Docenten	dr. S. Baldermann
Onderwijsvormen	Study Group, Lecture

Doel vak

CIIM teaches students about the fundamentals of International Management with a main focus on companies' functions (i.e. marketing, finance, human resources, ...) and enables them to apply their knowledge while analyzing the implications of contemporary global challenges for International Management practice.

Developments of the past decades, like trade liberalization or technological advancement, have led to an increasingly globalized and interconnected world. Accordingly, it is crucial for many companies to successfully manage their activities at an international or global scale. However, in most cases, home country practices cannot be simply "spilled over" to foreign markets. On top of that, companies operating across borders continuously face global challenges that persist or newly emerge.

The objective of this course is thus not only to familiarize students with and give an overview of the unique characteristics and peculiarities of the "international side of management", also and especially from a functional perspective. The course is also intended for students to develop the ability to propose recommendations for internationally or globally active companies (and their functions) in the face of (global) megatrends. CIIM aims to develop students' team-working and professional communication skills and enables them to think beyond the borders of the individual organization/company.

This course contributes to the SBE's Bridging Theory and Practice overall learning goal. After completing the course, students should:

- Have thorough knowledge of relevant theory and methods in the context of International Management, and an evidence-based approach to solving complex international/global business problems; in other words, students show knowledge of fundamental International Management theory and are able to use theory to solve complex practical problems of managing in international contexts.
- Have the professional and social skills to interact with other professionals; students should be able to express their solutions to practical problems verbally and in writing.

Inhoud vak

The lectures start with a general introduction of International Management, its development and definitory remarks. Afterwards, International Strategy is introduced as an overarching, cross-functional phenomenon that profoundly influences International Management. The majority of lectures is devoted to the International Management of a company's functions, particularly marketing, finance, operations and human resources. Differences between domestically-oriented functions and internationally/globally oriented functions will be highlighted. Based on this, it will be discussed how international company functions can be managed successfully in today's world.

The tutorials will give students the opportunity to discuss and receive feedback on their podcast projects, in which they link contemporary megatrends with the International Management of (a) specific company function(s) with the help of theoretical/conceptual frameworks and expert input. The tutorials are also intended to equip students with the tools necessary to successfully conduct and present their own research.

Aanvullende informatie onderwijsvormen

Lectures

Tutorials

Toetsvorm

Individual assessment

Team assessment

Vereiste voorkennis

No specific entry requirements

Literatuur

To be communicated

Aanvullende informatie doelgroep

Bachelor Bedrijfskunde students

Aanbevolen voorkennis

Previous knowledge in (general) management, organizational functions and/or strategy is helpful for this course. Students are expected to be able to work with academic literature and be familiar with common research approaches in business research.

Contemporary Perspectives in Corporate Strategy

Vakcode	E_HP1_CPCS
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. T.P. Moliterno
Examinator	prof. dr. T.P. Moliterno
Betrokken Docenten	prof. dr. T.P. Moliterno
Onderwijsvormen	Lecture

Doel vak

Understanding strategy is an important part of the business acumen for every educated manager. The overarching objective of this course is to develop your understanding of strategy and strategic management. You will engage with the course material through extensive in-class discussions, guest speakers (contingent upon availability and scheduling), and team-based analyses of a major public corporation.

After successfully completing this course, you will:

- understand the different theoretical perspectives that have informed strategy research (Bridging Theory and Practice - Knowledge)
- be able to communicate effectively their own informed ideas regarding the focus and purpose of corporate strategy (Academic and Research Skills)
- gain confidence in using evidence-based theoretical reasoning to evaluate a modern public corporation (Bridging Theory and Practice - Knowledge & Application)
- improve your skills in working with teammates from with diverse background (Academic and Research Skills)
- gain competence in allocating tasks among team members under time pressure (Academic and Research Skills)
- develop critical thinking and creativity in your approach to problem-solving (Broadening your Horizon)
- develop the critical thinking needed to analyze and evaluate complex organizational problems and make well-reasoned decisions (Broadening your Horizon)

Inhoud vak

Here's a couple simple questions: why do some organizations outperform others? Why do some organizations prosper and grow, while others in the same industry go out of business and die? It turns out that answering these questions is not so simple ... and has motivated decades of scholarly research on strategic management.

This course will explore the core theoretical perspectives in the research that has examined these questions. We begin from the premise that the organization's strategy is its approach to achieving success in general, and competitive advantage in particular. We then examine four theoretical perspectives that unpack this premise in very different ways and come to very different conclusions about the role of the manager in formulating and executing an organizational strategy. Developing a critical understanding of these different perspectives is important not only for aspiring managers, but also for anyone who wants to be an informed consumer of the business press and an active participant in today's fast-paced global economy.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

The final grade will be composed of both individual (50%) and team-based (50%) components:

- Individual components: quizzes, class participation and individual reflection paper
- Team-based components: corporation analysis and living case studies

Vereiste voorkennis

A basic understanding and acquaintance with the current world of business and economics (or a great passion and desire to understand and get acquainted) is expected of students in order to allow an in-depth discussion of the selected topics.

Literatuur

Whittington, R. (2001). What is Strategy -- and does it matter? (2nd Edition) Hampshire, UK: Cengage Learning EMEA. ISBN: 978-1-86152-377-8.

Other articles and readings will be posted on Canvas.

Aanvullende informatie doelgroep

Honours Program students: the course can be followed by a broad audience, but requires an interest in business administration in general, and strategic management in particular.

Toelichting Canvas

Canvas will be used as the primary mode of communication outside the classroom.

Corporate Finance

Vakcode	E_EBE2_CF
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. X. Zhu
Examinator	dr. X. Zhu
Betrokken Docenten	dr. X. Zhu
Onderwijsvormen	Seminar, Lecture, Instruction course

Doel vak

Corporate Finance studies firms as economic decision makers. The goal of this course is to develop a framework that provides guidance for investment and financing decisions. This requires not only a fundamental understanding of most common corporate finance theories, but also a selection of sensible applications for them. Our main decision criterion is based on value creation, which we will learn to quantify in a flexible valuation model. Practical applications for the knowledge are widespread and not only of interest to managers, but part of a toolkit required by everyone who is dealing with financial markets.

Learning objectives:

Academic and Research Skills

At the end of the course, you will be able to:

- explain which financial decisions create value and why this is the case;
- appreciate model assumptions, and understand how they affect the conclusions of a theory;

- distinguish between relevant and irrelevant information for corporate financing decisions.

Bridging Theory and Practice - Knowledge

At the end of the course, you will be able to explain:

- the Modigliani–Miller Theorem;
- common capital structure theories;
- corporate payout policies;
- valuation methods;
- mergers and acquisitions;
- corporate governance mechanisms.

Bridging Theory and Practice - Application

At the end of the course, you will be able to:

- quantify the value of a corporate decision, a project, or an entire company;
- derive guidance for corporate decisions based on academic theories.

Inhoud vak

This course offers an introduction for students with interests in financial markets or the intent to pursue a career in finance. We attempt to provide a sound mix between formal/quantitative analysis and qualitative discussion. From a modeling perspective, we extend methods learned in Finance I and II and put them into a corporate setting. When talking about value-driving factors, we see links to Economics and Management of Organizations. Overall, the content learned in this course enables students to understand corporate decisions/valuations by reducing complex problems to its key components.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

Case study assignment (group assessment)

Midterm Quiz and Final Written Exam (individual assessment)

Literatuur

J. Berk and P. DeMarzo, Corporate Finance, Pearson, 5th Global Edition

Overige informatie

Completing this course (or alternatively a corporate finance course in the other BSc tracks) is a prerequisite for the MSc Finance and a recommended course for the MSc Business Administration - specialization Financial Management.

Aanbevolen voorkennis

Finance I and II.

Corporate Governance, Risk Management & Internal

Control

Vakcode	EPG_A_CG
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	School of Business and Economics
Vakcoördinator	drs. D.R. Sadal RA
Examinator	prof. dr. O.C. van Leeuwen
Betrokken Docenten	drs. C. de Kater MSc RA, drs. R.E.G.A. van Kints RC EMFC
Onderwijsvormen	Werkcollege

Doel vak

Dit vak heeft als doel bij te dragen aan het begrip van studenten van de volgende zaken:

- Het belang, begrip en relaties tussen Corporate Governance, Internal Control en Risk Management;
- Rollen en verantwoordelijkheden van de verschillende stakeholders bij private en publieke organisaties;
- Inhoud van belangrijke Corporate Governance codes en belangrijke verschillen en overeenkomsten tussen deze codes;
- De manier waarop risk management kan worden geïmplementeerd in het internal control systeem van een bedrijf;
- Het belang van betrouwbare informatiesystemen in het internal control systeem;
- Beperkingen van de Corporate Governance codes in relatie tot het borgen van adequaat management.

Inhoud vak

Corporate Governance omvat het proces en de structuur dat gebruikt wordt om de organisatie te managen zodat de stakeholderswaarde wordt vergroot. Hieronder valt ook de financiële levensvatbaarheid van het bedrijf.

Dit vak behandelt het gezichtspunt van de accountant/auditor op Corporate Governance. Dit is een bredere blik dan alleen de juridische kijk op Corporate Governance. Om het proces en structuur te doorgronden wordt in het vak stilgestaan bij hoofdoorzaken van scandalen. Verder gaat het vak in op de raamwerken van Enterprise Risk Management en Internal Control over Financial Reporting. Een randvoorwaarde binnen het stelsel van Corporate Governance is het waarborgen van ethisch gedrag.

Aanvullende informatie onderwijsvormen

Voor de meeste studenten zal dit de eerste keer dat ze te maken hebben met de begrippen van Corporate Governance. In 6 weken worden een variëteit van onderwerpen behandeld. Om het vak goed te kunnen doorgronden wordt verwacht dat van te voren dat de weblectures en theorie zijn bestudeerd, dat studenten actief participeren tijdens het werkcollege en dat de cases zijn voorbereid voor een behandeling in het werkcollege. Het proefexamen wordt aangeboden om verder inzicht te verkrijgen in de examenvragen. De onderwerpen zijn verdeeld over zes onderdelen, die samenhangen met de collegeweken .

De behandeling van de stof per werkvorm is als volgt:

- Werkcolleges: Het is de bedoeling dat studenten de theorie hebben gelezen en voorbereiding. In het werkcollege kan dan verder worden ingegaan op de vraagpunten naar aanleiding van deze voorbereiding.
- Weblectures: De reguliere hoorcolleges (in het Engels) zijn als videobestand beschikbaar op Canvas
- Cases, opdrachten: De cases worden voor het werkcollege bestudeerd en voorbereid. Op een interactieve wijze zal worden ingegaan op de vragen en antwoorden.
- Actuele cases: aan de hand van recente berichtgeving zal in het werkcollege aandacht worden besteed aan de corporate governance theorie en praktische uitwerking.

Toetsvorm

Beschreven toetsvorm.

Overige informatie

Voor laatste inhoud en nieuws: zie Canvas.

Creatief Schrijven I

Vakcode	L_NABALES103
Studiepunten	6.00
Periode	P1
Vakniveau	100
Onderwijstaal	Nederlands
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	prof. dr. J.H.C. Bel
Examinator	prof. dr. J.H.C. Bel
Betrokken Docenten	dr. J. Grave, prof. dr. J.H.C. Bel
Onderwijsvormen	Werkcollege

Doel vak

Als je deze cursus hebt gevolgd kan je:

- 1) basale narratieve structuren en schrijftechnieken op het gebied van onder meer stijl, plot, scènes en personages, zoals o.a. beschreven en toegelicht door James Wood in Hoe fictie werkt, toepassen in korte creatieve schrijfoefeningen.
- 2) zaken als het vertelperspectief en de vrije indirecte rede zelf op creatieve wijze toepassen in een afgerond eigen verhaal.
- 3) op respectvolle wijze feedback geven op het creatieve werk van medestudenten.
- 4) met respect luisteren naar de feedback van medestudenten op zijn creatieve werk.

Inhoud vak

In het college Creatief schrijven verdiep je je in literaire technieken en leer je hoe je een verhaal schrijft. Als je zelf schrijft, begrijp je namelijk beter hoe het literaire mechaniek werkt (structuur, stijl, plot, genre, ruimte) en hoe je daarmee uitdrukking kunt geven aan de persoonlijke inzichten die je wilt overdragen in een verhaal. In een reeks colleges verdiep je je in de verschillende technieken die in fictionele teksten worden gebruikt. Dat gebeurt aan de hand van de opgegeven literatuur, door middel van oefeningen en door het zelf schrijven van een literaire tekst die elke week in omvang groeit.

Aanvullende informatie onderwijsvormen

Werkcolleges

Toetsvorm

- schriftelijk tentamen over James Wood, How fiction works/ Hoe fictie werkt (40%);
- het schrijven van een kort verhaal (60%).

Voor beide onderdelen moet minimaal een 5,5 worden behaald.

Literatuur

James Wood: *Hoe fictie werkt / How fiction works* (vertaling Arie Storm). Andere te lezen primaire en secundaire teksten worden voor aanvang van de cursus via Canvas bekendgemaakt.

Aanvullende informatie doelgroep

Het vak is bedoeld voor studenten van de BA-track Creatief schrijven Nederlands en voor de minoren Aan de slag met literatuur en De schrijfacademie. Andere belangstellenden kunnen bij de docent een aanvraag indienen of ze het college kunnen volgen.

Current Issues

Vakcode	R_Currissues
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	A.I. Carrozzini
Examinator	A.I. Carrozzini
Betrokken Docenten	A.I. Carrozzini, prof. dr. G.N. Cornelisse, prof. dr. G.T. Davies
Onderwijsvormen	Study Group, Lecture

Doel vak

- To learn to contextualise news about global issues within relevant international and/or European legal frameworks and scholarly debates;
- To practice writing a research paper on a current issue within the scope of the minor;
- To practice peer review;
- To learn to cooperate with a fellow student;

Inhoud vak

The course is part of the minor Law and Global Justice. This course introduces students to selected topics within the scope of the minor which are of particular current importance or interest. Classes are interactive, involving some lectures, but also discussions and exercises. The aim is to help students understand the kinds of law and policy problems which are important at European and International level, and to critically evaluate the responses to these. This prepares the students for advanced courses at masters level, where they may engage with these problems in more detail. This course invites students to think critically and apply a combination of legal, social and historical perspectives and it develops both writing and oral skills.

Previous current issue topic areas include: family reunification policies; space law; climate engineering and climate litigation; integration policies; state surveillance; selling citizenship; fertility tourism and migrant smuggling.

Students will have to read and analyse academic literature and engage in active discussion of current issues, as well as formulating problems and questions in a short essay and/or presentations. Oral and writing analytic abilities are therefore the major skills advanced in this course.

Aanvullende informatie onderwijsvormen

- Interactive (guest-) lectures and seminars, in which discussion and problem-solving are involved; and
- Student conference, during which students present their short paper, moot court or debate.

Toetsvorm

- written exam, consisting of one essay question;

- participation in the course, consisting of the submission of mini-podcast on one of the topics of the course.

Literatuur

Preliminary reading lists will be announced on Canvas for a range of current topics.

Aanvullende informatie doelgroep

The course is part of the minor Law and Global Society. Apart from regular students, the course is also available for:

Students from other universities/faculties

Exchange students

Contractor (students who pay for one course)

Aanbevolen voorkennis

Exchange students - basics of EU law and integration, good command of English.

Data Analysis I

Vakcode	E_EDS1_DA1
Studiepunten	6.00
Periode	P3
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. I. De Vos
Examinator	dr. I. De Vos
Betrokken Docenten	dr. I. De Vos
Onderwijsvormen	Study Group, Computer lab, Lecture

Doel vak

This is a short (4 weeks) course with learning objectives:

- Understand basic concepts and practical aspects for data visualization, data summary and data modeling.
- Learn the data analysis software R and be able to apply the knowledge to analyze real data.

Inhoud vak

Week 1:

- Introduction to R
- Summarizing data

Week 2:

- Linear Regression

Week 3:

- Discriminant Analysis
- Advanced R programming

The course material are the lecture slides and exercises.

Aanvullende informatie onderwijsvormen

Each week, we have:

- 2 lectures (4hrs)
- 1 exercise session (2hrs): theory exercises
- 1 computer lab (2hrs): computer exercises

Toetsvorm

The assessment exists out of 2 parts:

- practical assignment (divided into 3 parts)
- written exam

Aanbevolen voorkennis

Students are expected to be familiar with elementary derivatives and integration techniques.

Data Analytics and Privacy

Vakcode	R_DAP
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	mr. T.H.A. Wisman
Examinator	dr. M.R. Leiser LLM
Betrokken Docenten	prof. mr. A.R. Lodder, S. De Conca, mr. T.H.A. Wisman, dr. M.R. Leiser LLM
Onderwijsvormen	Study Group, Lecture, Tutorial

Doel vak

Data Analytics and Privacy focuses on the role of European fundamental rights and legal principles in the regulation of data analytics, with a general focus on the right to privacy and data protection. After this course:

1. The student will identify and deconstruct the main legal implications concerning data protection and privacy, in particular with regard to the European legal framework.
2. The student will describe and apply the basics of European Union data protection law.
3. The student will know and understand the basics of data analytics in the context of privacy and data protection.
4. The student will outline and reflect on potential interferences with fundamental rights following data analytics.

Inhoud vak

Data analytics has the ability to pose significant challenges to privacy, human autonomy, and dignity. The ability to influence people in ways they can act against their own interests is what political scientists describe as power. Data analytics as an instrument to develop knowledge and facilitate the exercise of power is a phenomenon that requires regulation. Power in a constitutional democracy, whether exercised by the state or other parties, has to be subject to the law. Law offers the option to mediate between conflicting interests guiding toward a legal solution to a problem rather than one which is based on

brute force.

Privacy is a societal norm that is codified in Article 8 of the European Convention on Human Rights. EU data protection legislation in the form of the General Data Protection Regulation (GDPR) regulates the processing of personal data in EU member states. Privacy and data protection is a funny pair that have provoked many lawyers to write relentless essays on. Gutwirth and De Hert, two prominent privacy and data protection lawyers from Belgium, use an interesting distinction

between the two. They refer to privacy as an opacity instrument, because it protects a sphere in which the individual's behaviour is not being recorded. They refer to data protection as a transparency instrument, because it makes the exercise of power knowledgeable for those who are on the receiving end. Privacy and data protection laws offer rules that can be complied with by parties who want to use data analytics in their strategies and policies.

In this course, the basics of privacy and data protection law are explained in the context of data analytics. The idea is for students of computer science to understand the basics of the law and for students of law to understand the basics of data analytics. An objective is to understand the interaction between data analytics and privacy laws. An outcome is to understand how the laws of privacy and data protection apply to the development of computer systems, platforms, apps, software, etc.

Aanvullende informatie onderwijsvormen

Lectures, tutorials.

Toetsvorm

Exam - 35 Multiple choice questions worth 2 points each; 2 Open-ended essay style questions, each worth 15 points each.

Literatuur

Made available via Canvas.

Data Science Methods

Vakcode	E_EDS2_DSM
Studiepunten	6.00
Periode	P5
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. P. Gorgi
Examinator	dr. P. Gorgi
Betrokken Docenten	dr. P. Gorgi
Onderwijsvormen	Study Group, Lecture

Doel vak

The course covers the most important aspects of data modeling with a number of methods and techniques. The emphasis is on both theory and practice. The objective is to help the students to develop a deep understanding of the methods, recognize their strengths and limitations, and acquire the practical skills to analyze complex datasets and critically interpret the results.

Inhoud vak

This course covers:

1. statistical and machine learning methods for data modeling;
2. regularization techniques;
3. practical implementation of the methods;
4. validity and methodological aspects of data analysis.

Aanvullende informatie onderwijsvormen

Lectures (3 hrs per week) and tutorials (1.5 hrs per week)

Toetsvorm

Exam and group assignment.

Literatuur

Recommended books:

- Friedman, J., Hastie, T., & Tibshirani, R. (2009), The Elements of Statistical Learning: Data Mining, Inference, and Prediction (2nd edition). Springer Series in Statistics.
- Hardle, W. K., Muller, M., Sperlich, S., & Werwatz, A. (2012), Nonparametric and semiparametric models. Springer Science & Business Media.

Aanbevolen voorkennis

Introductory-level knowledge of probability, statistics, linear regression models and R programming. The level of technical knowledge should be comparable to the level in the courses Introduction to Data Science, Statistics and Econometrics I in the Econometrics and Data Science bachelor program.

Data Science Practical

Vakcode	E_EDS2_DSPL
Studiepunten	6.00
Periode	P3
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J.M.A. Telg
Examinator	dr. J.M.A. Telg
Betrokken Docenten	dr. M. Friedrich, dr. J.M.A. Telg
Onderwijsvormen	Study Group, Lecture

Doel vak

The main goals of this course are

- to translate acquired econometrics, data science and numerical skills into solving real-life data problems and developing practical solutions;
- To get familiarize with terminology and differences between econometrics, statistical learning, machine learning and data science;
- to learn how to perform a solid data analysis using parametric and non-parametric techniques;
- to become aware of the trade-off between flexibility and interpretability;
- to experience the usefulness of Monte Carlo simulation studies and to learn how to implement them;
- to enhance academic writing skills (as an early preparation for writing a bachelor thesis);
- working in randomly assigned groups in an efficient and organized way.

Inhoud vak

The course Data Science Practical consists of two main components: investigating a real-life data set and performing a Monte Carlo simulation study. More specifically, you will choose a case (in groups of 3-4 students) for which you are asked to answer the main research question(s) and other hypotheses of interest that you will formulate yourselves. In the empirical study, you will use both a parametric method (the linear regression model) and a non-parametric method. More specifically, you are asked to estimate models, formulate and test hypotheses, interpret model outcomes and perform predictions in order to solve the case study. You will reflect on the usefulness of the approaches you used, in particular in terms of interpretability and flexibility, which will be input for the Monte Carlo simulation study that you will conduct. The main goal is to compare the performance of the parametric and non-parametric approaches in a controlled environment.

Aanvullende informatie onderwijsvormen

A small part of this course consists of short plenary sessions where new methods and techniques are introduced. The main part consists of working in groups to implement the practical case studies. The plenary sessions are only

planned in the first two weeks and are followed by Q&A tutorial meetings. It is highly advised that you prepare your questions for the Q&A sessions as a group *beforehand*, such that the teachers can help and provide feedback to all groups in the best way possible. In week 3, there are two tutorial meetings scheduled for Q&As. Submission of the reports and group presentations take place in the last week.

Toetsvorm

Presentation and written report. The final grade is based on these two components and peer feedback.

Vereiste voorkennis

For students in the BSc Econometrics and Data Science, there is an entry requirement. You have to fulfil *at least one* of the following three conditions:

- (i) a final grade of at least 5.5 for the course *Data Structures and Algorithms* (course takes place in Period 1),
- (ii) a partial grade (i.e. grade after Period 1) of at least 5.5 for *Econometrics I* (course takes place in Period 1+2),
- (iii) a partial grade (i.e. grade after Period 1) of at least 5.5 for *Numerical Methods* (course takes place in Period 1+2).

Literatuur

Part of the project consists of finding appropriate sources. Literature used in the prerequisite courses may prove useful.

Aanbevolen voorkennis

Econometrics I, Numerical Methods, Data Structures and Algorithms

Data Science Project

Vakcode	E_EDS2_DSPT
Studiepunten	6.00
Periode	P6
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	Q. Wiersma
Examinator	Q. Wiersma
Betrokken Docenten	dr. L. Hoesch, Q. Wiersma
Onderwijsvormen	Study Group, Lecture

Doel vak

The student learns how to translate their econometric and data science skills gathered throughout various courses of the program into solving a real-life case study. Students learn to efficiently work in a team to design and deliver a practical solution to a data science problem within a limited time frame, such as one may face in a business context.

Inhoud vak

This course mainly consists of a case study that focuses on a specific method and data set. The students work in groups on the case study during the entire period of four weeks. Each week, meetings take place to discuss progress and technical issues.

Aanvullende informatie onderwijsvormen

An introductory lecture takes place in the first week. Work meetings are arranged each week. Two additional lectures about academic writing and presentation skills take place during the first three weeks of the course. In the last week, each group presents their report in a meeting. After the presentation, each group delivers a final report.

Toetsvorm

Presentation and written report; there is no exam. The teacher will make a joint decision on the final course grade

of each student based on the presentations, the written reports and peer-feedback submitted by the students. Students reports and presentations will also be assessed regarding academic writing and presentation skills.

Data Science: Visualization and Analytics in R

Vakcode	S_DSVAR
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. M.A.C.G. van der Velden
Examinator	dr. M.A.C.G. van der Velden
Betrokken Docenten	dr. M.A.C.G. van der Velden
Onderwijsvormen	Seminar, Computer lab

Doel vak

Upon completion of this course, the student is able to ...

- use various computational techniques in R: structuring digital data, visualization and systematic evaluation;
- critically reflect on the implications of the selection, structuring and manipulation of data for the outcome of their work;
- evaluate results critically and in a systematic manner;
- critically analyze other digital based research projects. They will be able to position their own work in the existing field of digital humanities and social analytics.
- collaborate in an advanced, interdisciplinary research groups;
- present their work in an academically convincing and ethical way for an interdisciplinary audience.

Inhoud vak

The explosion of digital information and increasing efforts to digitize existing information sources has produced a deluge of data, such as digitized historical news archives, literature, policy and legal documents, political debates and millions of social media messages by politicians, journalists, and citizens. Graphs and charts let you explore and learn about the structure of the information you have collected. Good data visualizations enable you to communicate your ideas and findings.

This course will offer analytical and practical training in digital visualization techniques using the open-source platform R. This course is placed in the broader scope of Digital Humanities and Social Analytics. In terms of critical reflection and skills this is a more advanced course within the Minor Digital Humanities and Social Analytics.

An important part of the classes will entail practical training in the visualization of data: what are the "right numbers" to present, how to present uncertainty in data, which ties in a network are important enough? The course will teach you how to transform data to a visual: from a basic graphical display to animated and BBC-worthy graphics (e.g. see

<https://www.r-bloggers.com/create-data-visualizations-like-bbc-news-with>
This course invites you to develop visuals from many data sources, such as numerical data, textual data, networked data, etc. At the end of the course you will be able to use attractive visualizations to present your research results in both oral and written communications.

After completion of this course you will possess knowledge of digital tools and opportunities of a field of research in order to continue to acquire computing skills and pursue further studies and / or a career that entails interdisciplinary collaboration, work with many types of data and media and involves high level critical and analytical skills.

Aanvullende informatie onderwijsvormen

Lectures and seminars

Toetsvorm

Individual and group assignments (40%), take-home exam (60%), both parts have to be evaluated with a sufficient grade to pass the course.

Literatuur

- Healy, K. (2018). Data visualization: a practical introduction. Princeton University Press. (online version freely available)
- Additional scientific articles and book chapters

Aanvullende informatie doelgroep

Students who take the University Minor 'Digital Humanities and Social Analytics'. As long as there are available places, we welcome other students of all disciplines, including international exchange students. Please contact the coordinator in advance.

Overige informatie

This course is part of the minor Digital Humanities and Social Analytics.

Aanbevolen voorkennis

This course is designed for students who take the minor Digital Humanities and Social Analytics. For other students it would be helpful to familiarize with the basics of digital data in advance. Please contact the instructors for more information and advice.

Data Structures and Algorithms

Vakcode	E_EDS2_DSA
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. R. de Vlaming
Examinator	dr. R. de Vlaming
Betrokken Docenten	dr. R. de Vlaming
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

Upon successful completion of this course, the students are expected to

- be able to use mathematical tools to prove algorithms' correctness and to analyse algorithms' asymptotic complexity
- know the most important algorithm design paradigms (divide-and-conquer, randomization, dynamic programming, the greedy approach and parallelization) and data structures (stacks, queues, linked lists, hash tables, binary search trees, red-black trees)
- be aware of common computational problems and algorithms that solve these problems
- be able to effectively communicate the core idea of an algorithm to non-expert audiences
- be able to develop new algorithms for simple computational problems
- be able to implement common algorithms in Python and to verify their complexity by simulation analysis

Inhoud vak

Data Structures and Algorithms are essential building blocks of scientific computing. In short, an algorithm is a well-defined procedure that solves a computational problem by taking a set of values as inputs and transforming them to a set of values as outputs. To efficiently solve computational problems, algorithms rely on various data structures to manipulate data. Data structures are essentially collections of values, the relationships between these values and operations that can be applied to them. Having a solid understanding of these basic concepts is crucial for analysing and developing more complex procedures such as econometric and machine learning algorithms and is especially relevant in the age of Big Data.

This course provides an introduction to algorithm design, algorithm complexity and data structures. Throughout this course, you will learn the most important algorithm design paradigms (divide-and-conquer, randomization, dynamic programming, the greedy approach and parallelization) as well as the mathematical tools to prove algorithms' correctness (directly, by contradiction and by induction) and to analyse their asymptotic complexity (using asymptotic notation, by solving recurrences and via simulation analysis). We will further cover essential data structures (stacks, queues, linked lists, hash tables, binary search trees, red-black trees), discuss algorithms that solve common computational problems in econometrics and machine learning and get hands-on experience with implementing algorithms and data structures in Python.

Aanvullende informatie onderwijsvormen

- 2 lectures per week (1h 45min each)
- 1 tutorial per week (1h 45min)

For details, please see the course manual of this course.

Toetsvorm

Written assignments (Problem Sets) and a written final exam. For details, please see the course manual of this course.

Literatuur

Mandatory literature:

- Cormen, T. H., Leiserson, C. E., Rivest, R. L., and Stein, C. (2009). Introduction to Algorithms (3rd edition; ISBN 978-0-262-03384-8). MIT Press 2009.

Additional recommended literature:

- Roughgarden, Tim (2017). Algorithms Illuminated, Part I-III. Soundlikeyourself publishing, <https://www.algorithmsilluminated.org/>

Overige informatie

Please note that this course is part of an entry requirement for Data Science Practical (part of BSc Econometrics and Data Science).

Database Fundamentals and Applications

Vakcode	E_EDS2_DFA
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. R. de Vlaming
Examinator	dr. R. de Vlaming
Betrokken Docenten	dr. R. de Vlaming
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

The course is focused on relational databases. By the end of this course, you

1. can describe what a database is, and what the general challenges for database systems are;
2. can describe unstructured, semi-structured, and structured data, and their respective advantages and disadvantages;
3. can describe what is meant by the ACID properties,
 - a. why maintaining those properties has implications for transaction processing, concurrency, scalability, and availability, and
 - b. in which cases it may be desirable to disregard some of these properties;
4. can explain what a relational database is, and what the role of structured query language (SQL) is in such databases;
5. can explain the advantages and disadvantages of relational databases;
6. can explain whether or not a relational database is appropriate to use in a given context;
7. can explain the workings of data structures that are involved in efficient retrieval of data from relational databases;
8. can write and carry out SQL statements to
 - a. obtain desired data from an existing database,
 - b. insert, update, drop data in an existing database, and
 - c. define new database schemas;
9. can interface with a relational database in various ways (e.g. using MySQL Workbench and Python);
10. can query a self-contained SQLite database using DB Browser;
11. can break down a data-analytic question into a statistical part (e.g. linear regression), best tackled in high-level programming languages such as Python and R, and a data-integration part (e.g. joining and aggregating data), best tackled using SQL; and
12. can design and evaluate database schemas using
 - a. entity/relationship diagrams,
 - b. design theory, and
 - c. database normalisation.

Inhoud vak

In an increasingly data-driven world, database systems play a central role in data retrieval, manipulation, and storage. When you use services provided by companies such as Google and Amazon you are in fact a user of advanced database systems. The reach of such systems goes well beyond the online world. Most businesses use one or more databases to keep track of important data (e.g. on their personnel, clients, payments, sales, and so on). Obviously, these systems need to be robust and efficient, in terms of handling simultaneous queries, internal consistency, and durability of information stored by the database.

This course is aimed at teaching you about the theoretical fundamentals of database systems. Special attention is paid to a deep understanding of relational databases, database design, and the structured query language (SQL). In addition, you will learn about several advanced topics, such as concurrency, ACID properties, B-trees, JSON format, and alternatives to SQL. Alongside the theory, you will get hands-on experience with database systems, by setting up your own databases using a MySQL Server and SQLite, and by interfacing with existing databases in various ways (e.g. using Python).

Aanvullende informatie onderwijsvormen

Lectures (4 hours a week) and tutorials (2 hours a week).

Toetsvorm

Written or digital exam (55% of the final grade), group assignments (45% of the final grade).

Literatuur

Garcia-Molina, H., Ullman, J.D., and Widom, J. (2013). Database Systems, The Complete Book (2nd international edition; ISBN-10: 1-292-02447-X; ISBN-13: 978-1-292-02447-9). Essex, UK: Pearson Education Limited.

Decolonizing Europe: History and Memory

Vakcode	L_GCBAGES200
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Nederlands / Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	drs. W.C. Manuhutu
Examinator	drs. W.C. Manuhutu
Betrokken Docenten	prof. dr. G.R. Jones, drs. W.C. Manuhutu
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

The course Decolonizing Europe. History and Memory has both historical and methodological learning objectives.

After the course, participants

1. understand the main approaches to the political history of the European nation-state and are able to situate leading historians in the historiographic debate on decolonization, postcolonialism and decoloniality;
2. understand how the course themes of decolonization and national histories in Europe play out in the institutional setting of museums and the construction of public and political discourse in present-day societies; and will be able to write a critical appraisal of museum exhibitions and collections and their role in European postcolonial society;
3. are able to critically review (in writing and speaking) a historical monograph, a work of fiction or a public/ political debate relevant to the course theme, and to develop an argued opinion about the issues at hand;
4. can reflect on their own 'subject position', and explore the course theme from various perspectives while acknowledging different experiences with respect to European postcolonial society.

Inhoud vak

The course focuses on the impact of European imperialism on the dynamics

of nation-state formation with an emphasis on 'postwar' Europe. In 'Europe after Empire. Decolonization, Society and Culture' (first published in 2016) Elizabeth Buettner investigates the impact of decolonization on Europe. After 1945 all around the globe countries became independent, so what did that mean for Europe itself? How did these these events and developments shape politics and how are they remembered in present-day European societies? Therefore, the concept of multidirectional memory as developed by Michael Rothberg will be a point of departure in the course.

Students will come across key political developments that played a major role in the repositioning of Europe in the international arena after colonialism such as:

- the reordering of European nation-states after 1945 and the impact of the Cold War on decolonization;
- the changes within Europe and between Europe and the 'Third World' as the result of decolonization;
- the relationship between decolonization, the founding of the EU and gradual European integration and, simultaneously, the emergence of major ambiguities within nation-states concerning the concept of multicultural society.

. How public memory and representation of the colonial pasts and the post-colonial presents is negotiated in present-day Europe.

The course investigates how these developments interacted and can be traced in political and cultural developments, with particular attention to a better understanding of colonialism as a history with a deep influence on notions of belonging, inclusion and exclusion and with respect to citizenship at the national and European level.

The colonial past not only 'happened' in the colonies, far away from Europe, but was also part of European history and still provides many different, contesting and opposing views and perspectives on the past and the making of contemporary society. Against the backdrop of a political history, this course will discuss how historians,

philosophers, activists, politicians, writers, museum professionals and others approach this history within a national, European or global frame of reference.

Aanvullende informatie onderwijsvormen

The course will consist of weekly lectures and seminars in which the themes of the course will be discussed. Students will present readings and lead discussions on topics they have prepared in small groups.

A visit to a museum or a historical site is part of the course.

All lectures and seminars will be in English.

Toetsvorm

Class participation (10%); In class presentations and discussions (15%); museum report (25%); final written assignment (50%)

Literatuur

The handbook used during this course is:

-Elizabeth Buettner, Europe after empire. Decolonization, society, and culture (Cambridge 2015).

- Additional literature will be posted on Canvas.

Aanvullende informatie doelgroep

This course is an elective for BA 2 students History and International Studies; Students enrolled in the minor 'History'; exchange students.

Toelichting Canvas

All Information on the course schedule, additional literature, quizzes, polls and assignments will be posted on Canvas

Aanbevolen voorkennis

Basic knowledge of modern history for those students outside the Geschiedenis and History and International Studies program

Designing Interventions in Business and Society

Vakcode	E_MFDM_DIBS
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. K. Gorissen
Examinator	dr. K. Gorissen
Betrokken Docenten	dr. R.C. Ruehle, drs. I.J.C. Leijen, S. Göksel
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

Bridging Theory and Practice - knowledge:
You will obtain knowledge on the design of interventions aimed at influencing behavior as well as on the ethical aspects when adopting influencing tactics. Moreover you will learn about theoretical basis of

human happiness

Bridging Theory and Practice - application:

You will make use of theoretical knowledge and concepts with regard to happiness, understanding and influencing human behavior, and apply these to real-world challenges, while focusing on the various stakeholders that are involved (co-workers, other organizations, consumers & citizens).

Social Skills:

You will work in teams to plan and develop an intervention, which will help you develop many of the “soft skills” that are needed to collaborate with others and achieve challenging goals.

Inhoud vak

This integrative project is the capstone course of the minor “Understanding and Influencing Decisions in Business and Society”. The course evolves around the use of theories, tactics and insights in consumer behavior, nudging, leadership and negotiations to design interventions that ultimately could make people more happy.

After a brief introduction in which you get acquainted with some of the methods for designing interventions, you start working on an intervention that addresses one of the real-world challenges that will be selected for this course. In this project, you will touch upon (1) design, (2) implementation, and (3) testing/evaluation phases by the development of an action plan. Because this is an integrative course, your intervention will be a multi-disciplinary project, combining for example the insights on leadership with those on judgment and decision making, or combining nudges with negotiation skills. You will work in teams, and present your interventions, which will be judged on both academic and managerial quality.

In the other courses of the minor you have acquired a lot of knowledge on strategies how people can be influenced. As influencing people is surrounded with ethical dilemmas we will also give attention to the ethical aspects of such tactics.

Aanvullende informatie onderwijsvormen

Lectures and small-group tutorials

Toetsvorm

Team project – group assessment

Individual assessment and peer assessment of group project

Vereiste voorkennis

All courses of period 1 & 2 in the minor “Understanding and Influencing Decisions in Business and Society”

- Nudge: Influencing Behavior
- Leadership: Mobilizing People
- Judgment and Decision Making
- Managing Negotiations: Getting to Yes

Literatuur

TBA, a literature list based on scientific articles will be provided on

Canvas

Aanvullende informatie doelgroep

This course is only meant for students of the Minor "Understanding and Influencing Decisions in Business and Society"

Aanbevolen voorkennis

All courses of period 1 & 2 in the minor “Understanding and Influencing Decisions in Business and Society”

- Nudge: Influencing Behavior
- Leadership: Mobilizing People
- Judgment and Decision Making
- Managing Negotiations: Getting to Yes

Well-trained in academic method and thinking (i.e., with an academic bachelor).

Designing Solutions for Global Sustainability

Vakcode	AB_1231
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. M. Werthschulte
Examinator	dr. M. Werthschulte
Betrokken Docenten	dr. ir. M.G. van der Meij, dr. M. Werthschulte
Onderwijsvormen	Lecture, Seminar

Doel vak

This course aims to guide the student in designing solutions to complex challenges in global sustainability, within their own field of interest (e.g., energy, climate, water, waste, nature, food security, gender).

Inhoud vak

The course comprises interactive lectures and exercises and is assessed through an assignment. After this course students:

- Can meaningfully integrate People-Planet-Profit analyses into the design of innovative solutions for global sustainability challenges in a systematic and creative manner;
- Can characterize key components of the design creation process, namely analysis, synthesis and conceptualization;
- Identify and apply methods and processes to design sustainable solutions and communicate the results in a convincing and credible manner;
- Demonstrate a capacity to collaborate in interdisciplinary teams and contribute to a shared goal;
- Reflect on personal strength and weaknesses in developing and conceptualizing global sustainable solutions.

Aanvullende informatie onderwijsvormen

The course is organized in three thematic weeks and a fourth closing week, which follow the logic of a design process, sequentially addressing:

1. Design analysis and design specification (week 1)
2. Ideation: going through the creative design process of innovation, development, and actualization (week 2)
3. Conceptualisation and evaluation, user empathising, and visualisation for product / service pitching (week 3)
4. Completion: final presentation and review of the sustainability solution, and personal reflection (week 4).

Each week starts with a main lecture on Monday followed by two working sessions on Wednesday and Friday. The Wednesday session evolves mainly around Peer-to-Peer exercises while the Friday session will allow for more Peer-to-Teacher interaction. To accommodate the latter, two teachers will be present in the class-room on Friday. The working sessions and lectures will be highly interactive, for which there is a lot of space to work and reflect on your assignment.

Toetsvorm

The final course grade is completely based on an individual assignment, consisting of a pitch and a final report. To pass the course, students must obtain an overall grade of at least 5.5 (out of 10) and contribute to the compulsory activities. To calculate the overall grade, grades of the individual elements are averaged using the weights above.

Vereiste voorkennis

This course welcomes students of any background, as long as they have a strong affinity with sustainability

challenges.

Literatuur

Week 1:

1. Tim Brown and Jocelyn Wyatt (2010). Design Thinking for Social Innovation. *Development Outreach* 12(1): 29 – 43 https://doi-org.vu-nl.idm.oclc.org/10.1596/1020-797X_12_1_29
2. Rikke Friis Dam and Yu Siang Teo (2019) 5 Stages in the Design Thinking Process. *Interaction Design Foundation*. <https://www.interaction-design.org/literature/article/5-stages-in-the-de>
3. Tassoul, M, & Buijs, J. (2007). Clustering: An Essential Step from Diverging to Converging. *Creativity and innovation management* 16(1): 16-26. DOI:10.1111/j.1467-8691.2007.00413.x. (focus on page 16 – 22) <http://onlinelibrary.wiley.com/doi/10.1111/j.1467-8691.2007.00413.x/epdf>

Week 2:

4. Tom Ritchey (2002 - revised 2013) *General Morphological Analysis: A general method for non-quantified modelling*. Swedish Morphological Society. 1-10. <http://www.swemorph.com/pdf/gma.pdf>
5. Hsiao, S. W., & Chou, J. R. (2004). A creativity-based design process for innovative product design *International journal of industrial ergonomics*, 34(5), 421-443. <https://doi.org/10.1016/j.ergon.2004.05.005>
6. Tassoul, M, & Buijs, J. (2007). Clustering: An Essential Step from Diverging to Converging. *Creativity and innovation management* 16(1): 16-26. DOI:10.1111/j.1467-8691.2007.00413.x. (focus on page 22 – 26). <http://onlinelibrary.wiley.com/doi/10.1111/j.1467-8691.2007.00413.x/epdf>

Week 3:

7. Pruitt, J., & Grudin, J. (2003). Persona's, practice and theory. DUX '03 Proceedings of the 2003 conference on Designing for user experiences: 1-15. <https://www.microsoft.com/en-us/research/wp-content/uploads/2017/03/prui>
8. Chiara Diana, Elena Pacenti, Roberta Tassi (2009). Visual'tiles', Communication tools for (service) design, Conference Proceedings ServDes.2009; DeThinking Service; ReThinking Design; Oslo Norway 24-26 November 2009. <http://www.ep.liu.se/ecp/059/006/ecp09059006.pdf>
9. sSWOT: Eliot Metzger, Samantha Putt del Pino, Sally Prowitt, Jenna Goodward, Alexander Perera (2012). sSWOT: a sustainability swot user's guide. World Resources Institute (WRI). Washington DC. <https://sustainabilitycasestudies.files.wordpress.com/2015/12/sustainabi>

Aanvullende informatie doelgroep

This course is predominantly aimed at students that are following the ERM pre-master or the minor Sustainability: Global Challenges, Interdisciplinary Solutions. These students already worked on their personal "Grand Challenge" in the previous courses of this minor/pre-master and therefore have a head start in working on their solution. However, the course also welcomes students that did not follow these programs, although it may be more challenging for them as they need to catch up quickly in the first week of this condense course.

Overige informatie

When students from other universities want to register for this course, they may be asked to which programme this course/minor belongs. Kindly fill the BSc program "Aarde, Economie & Duurzaamheid".

Aanbevolen voorkennis

We strongly encourage students to take all courses of the minor "Sustainability, Global Challenges, Interdisciplinary Solutions", as a personal "Grand Challenge" comes back in different assignments of the five minor courses. Work in the preceding courses forms relevant input to the assignment of this course.

Development and Globalization: Anthropological Perspectives

Vakcode	S_DG
Studiepunten	6.00
Periode	P1
Vakniveau	300

Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. F.H. Eiró de Oliveira
Examinator	dr. F.H. Eiró de Oliveira
Betrokken Docenten	dr. F.H. Eiró de Oliveira
Onderwijsvormen	Lecture

Doel vak

The aim of this course is to introduce students to the interrelated themes of development and globalization and to help them gain insights into the issues of poverty, global inequality, governance and development from an anthropological perspective.

The course has the following learning goals.

The student has acquired knowledge and understanding of:

- development and globalization-related processes and their effects on power relations on the global, regional, national and local level.
- development and globalization-related processes and their effects on environment and natural resources, political relations and governance processes.
- anthropological analyses of development and globalization-related phenomena.
- different theoretical views on development as well as “development in practice” on an introductory level.

The student has acquired the competences to

- understand and reproduce knowledge related to the historical, sociocultural and political dimensions of international development and globalization and their role in shaping the contemporary world.

The student demonstrates

- a critical attitude towards the theory and practice of globalization and development.
- the ability to reflect on issues of global social and cultural inequality.

The student has acquired the skills to

- reproduce in written text knowledge of processes and phenomena related to globalization and development.

Inhoud vak

This course takes an anthropological perspective to analyse the interrelated themes of development and globalization. The historical development of capitalist economies in the “Global North” and the ongoing global restructuring of these economies have great impacts on economic and social processes in the “Global South.” State governments, supranational agencies, NGOs and multinational corporations all invest, or claim to invest, in the social equality and economic growth of so-called developing countries. Yet growth-oriented policies often have negative side effects, such as the reproducing of social inequalities, ecological degradation, cultural hegemony, economic exploitation, and the corrosion of local agency. In this course we untangle the politics of development taking place in the current era of global capitalism. Specifically, we analyze the interactions between (trans)national stakeholders and local populations, whereby we zoom in on the way those labelled ‘poor’ by stakeholders experience inequality and poverty. We also highlight potential and experienced gaps between intentions and outcomes of development policies and look at what anthropology can contribute to development debates and policies.

Aanvullende informatie onderwijsvormen

Lectures

Toetsvorm

Written assignment(s), including exam

Literatuur

To be announced in the course manual (on CANVAS)

Aanvullende informatie doelgroep

2nd year bachelor students in Cultural Anthropology and Development

Sociology;

Students in the minor Development and Global Challenges;

Students in the minor Anthropology;

The course is also open as an elective.

Differential Privacy and Statistical Inference under Differential Privacy

Vakcode	E_EOR3_DP
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. R. de Vlaming
Examinator	dr. R. de Vlaming
Betrokken Docenten	dr. J.N. van Brummelen, dr. R. de Vlaming
Onderwijsvormen	Study Group, Lecture

Doel vak

By the end of this course, you

1. can explain the difference between local and global differential privacy (DP);
2. can explain the role of a trusted curator;
3. can explain the difference between a synthetic data release, and an interactive interface in which the analyst can put queries to a trusted curator;
4. can construct a basic synthetic data release;
5. can explain when two databases are adjacent;
6. can describe the general purpose of a random mechanism;
7. can define the privacy loss of observing a certain output of a random mechanism;
8. can explain what a distinguishing event is;
9. can give a Bayesian interpretation of privacy loss;
10. can give the mathematical definition of ϵ -DP;
11. can explain ϵ -DP in terms of the worst-case absolute privacy loss;
12. can calculate the sensitivity of a query;
13. can apply the Laplace mechanism to a query, such that the result is ϵ -DP;
14. can explain the trade-off between statistical efficiency and DP;
15. can explain why the Laplace mechanism is not ϵ -DP in case
 - a. the number of returned outputs depends on in the input database, and/or
 - b. the sensitivity is unbounded due to unbounded attributes;
16. can explain why trimming can

- a. deal with unbounded attributes,
 - b. limit the amount of noise required to reach ϵ -DP, and
 - c. cause estimators to become inconsistent;
17. can give examples of other mechanisms that do not yield ϵ -DP results;
 18. can give the mathematical definition of (ϵ, δ) -DP;
 19. can describe δ , informally, in terms of an upper bound on the probability of a distinguishing event;
 20. can explain why the more versatile (ϵ, δ) -DP definition can still offer a high level of privacy protection in a probabilistic sense;
 21. can explain why requiring (ϵ, δ) -DP, instead of ϵ -DP, enables us to apply mechanisms that induce less noise than the Laplace mechanism;
 22. can apply basic theorems such as the composition theorem;
 23. can implement various DP mechanisms in Python;
 24. can calculate p -values and standard errors of DP point estimates using simulations;
 25. and can implement machine-learning techniques in a DP-manner using Python.

Inhoud vak

Access to data is key for scientific progress. Yet, data is often sensitive in nature and must, therefore, fulfil certain requirements to ensure privacy. For instance, publicly available data should be arranged such that nobody can trace back the individuals in the dataset.

In this course, you will learn about a solid mathematical framework called *Differential Privacy (DP)*, that enables you to quantify the loss in privacy by releasing data or results into the public domain. Moreover, you will learn about algorithms that actually give you control over the amount of privacy that is lost by such a release. These algorithms, in essence, simply add some noise to the data.

Intuitively, it should be clear that such perturbations will affect parameter estimates and their uncertainty (e.g., when estimating the effect of years of schooling on income later in life). Hence, the second objective of this course will be to find ways to estimate parameters consistently, to quantify their standard error, and to perform hypothesis tests correctly, when using such algorithms. In other words, you will learn about *Differential Privacy and Statistical Inference under Differential Privacy*.

Aanvullende informatie onderwijsvormen

Lectures (4 hours a week) and tutorials (2 hours a week).

Toetsvorm

Written or digital exam and assignments.

Digital Humanities and Social Analytics in Practice

Vakcode	XB_0015
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. V. de Boer
Examinator	dr. V. de Boer
Betrokken Docenten	dr. V. de Boer, dr. L. Stork
Onderwijsvormen	Seminar

Doel vak

- To gain knowledge of a specific Digital Humanities or Social analytics challenge and/or dataset.
- To apply the previously acquired skills and knowledge to a specific DH/SA challenge.
- To set up and execute a DH/SA project in a multi- and/or interdisciplinary team.
- To write a DH/SA research paper and reflect on the work done from one's own background.

Inhoud vak

In the Course "Digital Humanities in Practice", you will be able to

apply your Digital Humanities and Social Analytics knowledge and skills to a real-world DH challenge . We have teamed up with respected researchers and renowned institutes to present you with a number of possible projects.

Aanvullende informatie onderwijsvormen

Initial lectures.
Interactive working groups and feedback moments.
DH "internship" in small groups.

Toetsvorm

- Assessment of the quality of the work done in the project (30%).
- The final research paper describing the project, the research, and the results (30%).
- The presentations (20%), composed of the intermediate and final presentations (poster/video) scores, as well as the peer reviews by other course groups.
- A personal reflection (20%), listing the individual contribution of the student as well as the relation to previous courses (both within the minor and to other courses).

Vereiste voorkennis

A significant number of VU Digital Humanities Minor courses need to have been passed.

Aanvullende informatie doelgroep

Minor Digital Humanities

Digital Marketing and Metrics

Vakcode	E_EBE3_DMM
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	D.O. Ungureanu
Examinator	D.O. Ungureanu
Betrokken Docenten	D.O. Ungureanu
Onderwijsvormen	Seminar, Lecture

Doel vak

During this course, your will develop an in-depth understanding of digital marketing from a theoretical, analytical and practical perspective (Academic and Research Skills). Going beyond the basics of digital marketing, this course develops your knowledge on how to strategically design digital marketing activities, and also how to analyze and evaluate the effectiveness of these digital marketing activities (Bridging Theory and Practice - Knowledge, Academic and Research Skills). Moreover, you will apply this knowledge and skills in a real-life setting and secondary data, enabling you to translate and apply theoretical knowledge into practice (Bridging Theory and Practice - Application).

By the end of this course you will:

- Gain an in-depth understanding of key topics for digital marketing strategies from a theoretical and practical

perspective

- Be able to explain digital marketing concepts and frameworks, and apply these to strategically design and evaluate digital marketing activities.

- Be able to identify the right metrics and methods to evaluate the effectiveness of digital marketing activities, and provide managerial insights from quantitative analyses.

- Be able to communicate and collaborate in an international setting to design persuasive presentations that integrate quantitative analyses with theoretical and practical knowledge of digital marketing.

Inhoud vak

In the past decades, the Internet has caused fundamental changes in the way we live, learn, and do business. The intense use of digital media, the widespread adoption of smartphones, or the rise of digital platforms, they have all revolutionized the practice of marketing. More than ever before, online word-of-mouth and social media are considered important market forces that influence consumer decision-making all along the purchase process. Moreover, companies are increasingly adopting a business logic based on co-creating value propositions with customers.

Marketing, as a function that is closest to the consumer, plays a key role in giving shape to this new era in business management. With today's consumers continuously connected online, it is imperative for marketing managers to understand and evaluate the customer journey online in order to fully understand the impact of their marketing activities and plan successful new digital marketing strategies. However, in the era of big data, managers often do not know which metrics to focus on and how to extract valuable information from the data at hand.

The course examines digital marketing activities through the lens of customer journeys, focusing on three key moments: (1) Pre-purchase; (2) Purchase; (3) Post-purchase. For each moment, you will identify which factors play a bigger role in influencing consumers' attitude and behaviour, based on the literature and your own analyses. In this course, you will use your theoretical understanding of concepts and frameworks together with quantitative analysis of real-life data. You will be able to use the information obtained to evaluate the ROI of digital marketing and social media campaigns and build a successful digital marketing strategy.

Aanvullende informatie onderwijsvormen

Lectures and Tutorials.

Toetsvorm

Group assignment(s)

Individual assignment(s)

Written exam

Literatuur

Academic articles, cases, lecture slides.
The reading list will be announced on Canvas.

Overige informatie

The lectures are interactive.

Aanbevolen voorkennis

Marketing I and Marketing II (or equivalent courses in marketing)

E-Commerce Supply Chain Management

Vakcode	E_MFEO_ESCM
Studiepunten	6.00
Periode	P2
Vakniveau	300

Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. A.S. Eruguz
Examinator	dr. A.S. Eruguz
Betrokken Docenten	dr. A.S. Eruguz, S. Hülägü
Onderwijsvormen	Lecture, Seminar

Doel vak

ACADEMIC AND RESEARCH SKILLS

After successfully completing this course, students can conduct a basic international research project from start to finish.

BRIDGING THEORY AND PRACTICE "Knowledge"

After successfully completing this course, students can:

- demonstrate an understanding of fundamental structures of e-commerce supply chains.
- explain, contrast, and compare theories, models, and concepts of e-commerce supply chains.

BRIDGING THEORY AND PRACTICE "Application"

After successfully completing this course, students can:

- develop practical solutions to a case and a real-life situation by applying theory from e-commerce supply chains,
- formulate management conclusions for improvements in the e-commerce supply chains.
- discuss and apply methods to analyze the performance of e-commerce supply chains, design distribution networks, and manage inventory.

SOCIAL SKILLS

After successfully completing this course, students can:

- present (orally) about stylized case problems and solutions formulated.

Inhoud vak

E-commerce retail has shown a consistent double-digit growth over the last years. It is generally recognized that the timely delivery of parcels to consumers is pivotal to customer satisfaction. COVID-19 has illustrated the impact of demand and supply uncertainty. In addition, the EU wants to be climate neutral by 2050. These factors provide enormous challenges to e-commerce.

In this course, we address key themes in managing e-commerce supply chains. These include consumer delivery preferences, distribution network design, inventory management, and sustainability considerations.

Students will analyze (stylized) cases and experience industry exposure via possible guest lectures.

Aanvullende informatie onderwijsvormen

Lectures

Tutorials

Toetsvorm

Written exam - Individual assessment

Assignments - Group assessment

Literatuur

Readings for this course consists of scientific papers and book chapters.

Aanvullende informatie doelgroep

Students who does not have a good command of mathematical notations are kindly requested to contact the course coordinator prior to enrollment.

Aanbevolen voorkennis

Good command of mathematical notations.

Business Mathematics; Business Processes; Introductory supply chain management course similar to the SBE BSc course (Global) Supply Chain Management (book: Chopra, S., 2019. Supply Chain Management: Strategy, Planning, and Operation. Global edition. Pearson Higher Education.)

Econometrics I

Vakcode	E_EOR2_TR1
Studiepunten	6.00
Periode	P1+2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J.M.A. Telg
Examinator	dr. J.M.A. Telg
Betrokken Docenten	dr. J.M.A. Telg
Onderwijsvormen	Study Group, Lecture, Written partial exam

Doel vak

This course covers the most important concepts, theory, methods and techniques related to the linear regression model and forms a basis for future econometrics courses. You will develop a thorough understanding of linear regression for cross-sectional data and study its use from both a theoretical and empirical point of view. We derive various estimators (ordinary least squares, weighted least squares and maximum likelihood) in the context of linear regression models and study their finite-sample and asymptotic properties. Moreover, you will learn how to assess model fit based on different measures and how to perform prediction and inference in the linear regression model. Period 1 mostly focuses on the *simple* linear regression model (i.e. only one explanatory variable). In Period 2, we exploit the strength of matrix algebra and study the *multiple* linear regression model.

Inhoud vak

The course focuses on linear regression models for cross-sectional data. In Period 1 of the course, we study the simple linear regression model using standard notation (specifying quantities per cross-sectional unit). We deviate from this in Period 2 and study the multiple linear regression model in matrix form, which leads to compact formulas for estimators and tests statistics. We cover the following topics throughout the course:

- Estimation: ordinary least squares, weighted least squares and maximum likelihood
- Assumptions on the linear regression model (why are they important, how could we check/test their validity)
- Inference: hypothesis and diagnostic testing using t-tests and F-tests, confidence intervals
- Finite-sample and asymptotic properties of estimators and tests
- Prediction: making point predictions and setting up prediction intervals

Aanvullende informatie onderwijsvormen

2 x 2 hours of classes per week: one lecture and one tutorial.

Toetsvorm

Individual assignment - Individual assessment (part 1)

Intermediate exam – Individual assessment (part 1)

Group assignment - Group assessment (part 2)

Final exam – Individual assessment (part 2)

Literatuur

The mandatory literature for this course is given below.

Period 1

- J.H. Stock and M.W. Watson (2019). Introduction to Econometrics. 4th edition. (The 3rd updated edition of 2015 is also fine).

Period 2

- J.R. Magnus (2017). Introduction to the Theory of Econometrics. VU University Press. (From sixth printing onwards, the book has video links).
- J.R. Magnus and S. Telg (2021). Mastering Econometrics: Exercises and Solutions. VU University Press.

Overige informatie

Please note that this course is part of an entry requirement for Integrative Practical (part of BSc Econometrics and Operations Research) and Data Science Practical (part of BSc Econometrics and Data Science).

Aanbevolen voorkennis

Linear Algebra, Analysis I & II, Statistics

Econometrics II

Vakcode	E_EOR2_TR2
Studiepunten	6.00
Periode	P4+5
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. L.F. Hoogerheide
Examinator	dr. L.F. Hoogerheide
Betrokken Docenten	dr. L.F. Hoogerheide
Onderwijsvormen	Study Group, Lecture

Doel vak

Acquainting the student with misspecifications in the linear regression model and extensions of the linear regression model.

Inhoud vak

Topics include:

- Heteroskedasticity
- Instrumental variables and endogeneity
- Misspecification: non-linearity and dummy variables
- Regression models with time series data and serial correlation in the errors
- Strict and contemporaneous exogeneity
- Binary data: logit/probit models
- Multinomial data: ordered logit/probit model, multinomial logit model.
- Censored/truncated data: tobit models
- Non-normality

Aanvullende informatie onderwijsvormen

2 x 2 hours of classes per week.

Toetsvorm

Intermediate exam – Individual assessment
Final exam – Individual assessment

Group assignment - Group assessment

Literatuur

- Wooldridge (2013), Introductory Econometrics, A Modern Approach, 5th international edition.

Aanbevolen voorkennis

Econometrics I, Linear Algebra, Analysis II.

Econometrics III

Vakcode	E_EOR3_TR3
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. S.J. Koopman
Examinator	prof. dr. S.J. Koopman
Betrokken Docenten	prof. dr. S.J. Koopman
Onderwijsvormen	Seminar, Lecture, Computer lab

Doel vak

Obtaining basic understanding of multivariate econometric methods including seemingly unrelated regressions, panel data methods, difference-in-differences, vector autoregressive models, impulse responses, cointegration, and vector error correction models. The theory, practice and empirical aspects are equally important.

Inhoud vak

Econometrics III provides a thorough introduction to multivariate econometrics including panel data models and multivariate time series models. In particular, we will discuss fixed effects, random effects, one- and two-error component panel models, vector autoregressive models, impulse responses, cointegration, vector error correction models, including model properties, estimation, and implementation for real data.

Aanvullende informatie onderwijsvormen

3-4 hours per week of lectures, 2-3 hours per week of tutorials, (online) support for assignments

Toetsvorm

Exam (50%) and practical assignments (50%)

Vereiste voorkennis

There are no formal entry requirements but please take a look at the recommended background knowledge.

Literatuur

Literature references:

H. Lütkepohl, New Introduction to Multiple Time Series Analysis (2006),
Springer

J.D. Hamilton, Time Series Analysis (1994), Princeton University Press

B.H. Baltagi, Econometric Analysis of Panel Data (5th Edition, 2013),
Wiley

Aanvullende informatie doelgroep

The course is targeted at students in the Bachelor Econometrics and

Operations Research (EOR) and in the Bachelor Econometrics and Data Science (EDS).

It is also recommended for students who are not enrolled in the Bachelor EOR and EDS, but who are interested in pursuing a M.Sc. in Econometrics.

Overige informatie

The course is suitable to be taken in an exchange program.

Toelichting Canvas

All course materials will be made available on Canvas.

Aanbevolen voorkennis

This course is open to all students; it is the responsibility of the student to have obtained the necessary background for this technical and challenging course. A strong recommendation is to have successfully completed the main courses in Year 1 and the Year 2 course Econometrics I. It is further strongly recommended to have completed the Year 2 courses Econometrics II. Generally, we require the student to master an intermediate level in algebra, calculus, computer science (programming in R, Matlab or Python), probability, statistics and econometrics.

Economic Assessment of Health Care

Vakcode	E_MFHC_EAHC
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J.M. van Dongen
Examinator	dr. J.M. van Dongen
Betrokken Docenten	dr. J.M. van Dongen, prof. dr. J.E. Bosmans
Onderwijsvormen	Computerpracticum, Hoorcollege

Doel vak

Learning objectives for this course are:

Academic and Research Skills:

- the student is able to conduct a basic statistical analysis for an economic evaluation;
- the student is able to coherently report findings from an economic evaluation in a written report;
- the student is able to critically assess a published economic evaluation;
- the student is able to design a basic economic evaluation alongside a randomized controlled trial;
- the student is able to correctly interpret and report the findings from an economic evaluation alongside a randomized controlled trial;
- the student is able to perform a basic cost-effectiveness analysis (Incremental Cost-Effectiveness Ratio, bootstrapping, cost-effectiveness plane, cost-effectiveness acceptability curve) within a structured assignment.

Bridging Theory and Practice - Knowledge

- the student is able to explain why economic evaluations are fundamental for making allocation decisions in health care;
- the student has basic knowledge on the design, analysis, interpretation and reporting of economic evaluations.

Bridging Theory and Practice - Application

- the student is able to formulate a reimbursement decision based on the

knowledge obtained from an economic evaluation.

Inhoud vak

At the end of this course, you know the basic essentials of economic evaluations of health care processes and health care technologies. You will be able to make an informed choice between a trial-based and a model-based approach. The strengths and limitations of economic evaluations will be clear. You will be able to design an economic evaluation, to critically assess the results of an economic evaluation conducted alongside a randomized controlled trial, and to interpret and use information from published economic evaluations.

Aanvullende informatie onderwijsvormen

Lectures: 12 × 2 hours = 24 hours

Tutorials (including computer practica): 5 × 4 = 20 hours, at least 75% of the tutorials should be attended by the student.

Toetsvorm

Written exam: individual assessment, 80% of the final grade, minimum required 5.5

Assignments: group assessment (groups of two students), 20% of the final grade, minimum required 5.5

Vereiste voorkennis

None

Literatuur

- Goodman CS. HTA 101: Introduction to Health Technology Assessment. Bethesda, MD: National Library of Medicine (US); 2014 –Chapters I, II, III, IV, V and X
- Rudmik L, Drummond M. Health economic evaluation: important principles and methodology. *Laryngoscope*. 2013 Jun;123(6):1341-7.
- Zilberberg MD, Shorr AF. Understanding cost-effectiveness. *Clin Microbiol Infect*. 2010 Dec;16(12):1707-12
- Whitehead SJ, Ali S. Health outcomes in economic evaluation: the QALY and utilities. *Br Med Bull*. 2010;96:5-21.
- van den Brink M, van den Hout WB, Stiggelbout AM, Putter H, van de Velde CJ, Kievit J. Self-reports of health-care utilization: diary or questionnaire? *Int J Technol Assess Health Care*. 2005 Summer;21(3):298-304.
- Goossens ME, Rutten-van Mólken MP, Vlaeyen JW, van der Linden SM. The cost diary: a method to measure direct and indirect costs in cost-effectiveness research. *J Clin Epidemiol*. 2000 Jul;53(7):688-95.
- Koopmanschap MA, van Exel JN, van den Berg B, Brouwer WB. An overview of methods and applications to value informal care in economic evaluations of healthcare. *Pharmacoeconomics*. 2008;26(4):269-80.
- Krol M, Brouwer W. How to estimate productivity costs in economic evaluations. *Pharmacoeconomics*. 2014 Apr;32(4):335-44.
- Thompson SG, Barber JA. How should cost data in pragmatic randomized trials be analysed? *BMJ*. 2000 Apr 29;320(7243):1197-200.
- Miyamoto, GC, Ben AJ, Bosmans JE, van Tulder MW, Chung-Wei CL, Nunes Cabral CM, van Dongen JM. Interpretation of trial-based economic evaluations of musculoskeletal physical therapy interventions. *Brazilian journal of physical therapy* 25, no. 5 (2021): 514-529.
- Black WC. The CE plane: a graphic representation of cost-effectiveness. *Med Decis Making*. 1990 Jul-Sep;10(3):212-4.
- Barber JA, Thompson SG. Analysis of cost data in randomized trials: an application of the non-parametric bootstrap. *Stat Med*. 2000 Dec 15;19(23):3219-36.
- Fenwick E, Marshall DA, Levy AR, Nichol G. Using and interpreting cost-effectiveness acceptability curves: an example using data from a

trial of management strategies for atrial fibrillation. BMC Health Serv Res. 2006 Apr 19;6:52.

- Husereau D, Drummond M, Augustovski F, de Bekker-Grob E, Briggs AH, Carswell C, Caulley L, Chaiyakunapruk N, Greenberg D, Loder, E, Mauskopf, J, 2022. Consolidated Health Economic Evaluation Reporting Standards 2022 (CHEERS 2022) statement: updated reporting guidance for health economic evaluations. International Journal of Technology Assessment in Health Care, 38(1).

- Sullivan SD, Mauskopf JA, Augustovski F, Jaime Caro J, Lee KM, Minchin M, Orlewska E, Penna P, Rodriguez Barrios JM, Shau WY. Budget impact analysis-principles of good practice: report of the ISPOR 2012 Budget Impact Analysis Good Practice II Task Force. Value Health. 2014 Jan-Feb;17(1):5-14.

- Roseboom KJ, van Dongen JM, Tompa E, van Tulder MW, Bosmans JE. Economic evaluations of health technologies in Dutch healthcare decision-making: a qualitative study of the current and potential use, barriers, and facilitators. BMC Health Serv Res. 2017;17(1):89.

- Petrou S, Gray A. Economic evaluation using decision analytical modelling: design, conduct, analysis, and reporting. BMJ. 2011 Apr 11;342:d1766.

Aanvullende informatie doelgroep

Third year BSc students doing the minor Health Care Management

Aanbevolen voorkennis

None

Economics of Globalization: A Transaction Cost Perspective

Vakcode	E_HP1_EGTC
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. H.L.F. de Groot
Examinator	prof. dr. H.L.F. de Groot
Betrokken Docenten	prof. dr. H.L.F. de Groot
Onderwijsvormen	Lecture

Doel vak

After successfully completing this course, you will:

- be familiar with the concept of transaction costs (Bridging Theory and Practice - Knowledge)
- be able to show the relevance of transaction costs for understanding several of the empirical phenomena (Bridging Theory and Practice - Application)
- be able to apply the insights in a paper on a topic of your own choice that links to the broad topic of transaction costs (Academic and Research Skills)
- will be able to present your paper and contribute to discussion on the papers of others (Academic and Research Skills)

Inhoud vak

Globalization is an important source of welfare, but at the same time heavily contested in modern societies. This course elaborates on the costs and benefits of globalization introducing modern non-mainstream theories that at points challenge the traditional wisdom regarding the benefits of globalization and helps to understand the prevailing sentiments against globalization. We will heavily rely on insights from transaction cost theory which challenges the neglect in traditional neoclassical theory of transaction costs. The (oftentimes implicit) reliance in mainstream trade theory on frictionless trade is surprising for theories in which exchange is at the heart of the matter. This course aims to familiarize you with the concept of transaction costs and to show the relevance of

transaction costs for understanding several of the empirical phenomena that are impossible to understand without relying on such costs.

Insights are particularly relevant to appreciate current discussions on the impact of globalization on a small open economy such as the Netherlands. Think, for example, about recent discussions on reshoring and the impact of globalization on wage inequality and unemployment. The course will focus on four main areas of research in which transaction costs are dominant, viz. (i) international trade with a focus on the multiple dimensions of transaction costs distinguishing between transport costs, institutional costs and cultural costs of exchange, (ii) foreign direct investments with a focus on outsourcing and the organization of the firm in a globalizing world, (iii) industrial organization with a focus on the determinants of the boundaries of the firm, and (iv) networks with a focus on the role of social and regional networks, and on standards as institutionalized settings that facilitate exchange of goods, ideas, etc.

Aanvullende informatie onderwijsvormen

Interactive lectures.

Toetsvorm

Individual paper and presentation, and optional assignments.

Literatuur

An extensive reading list is made available at the start of the course.

Aanvullende informatie doelgroep

Second and third year participants in the honours program.

Afwijkende intekenprocedure

SBE rules and dates apply for this SBE HP course.

Aanbevolen voorkennis

Basic familiarity with the principles of economics and statistics.

Economics of the Dutch Health Care System

Vakcode	E_MFHC_EDHCS
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	School of Business and Economics
Vakcoördinator	drs. F. Amankour
Examinator	dr. F.R.M. Portrait
Betrokken Docenten	dr. F.R.M. Portrait, prof. dr. A.H.E. Koolman, dr. Y.J.F.M. Krabbe-Alkemade, drs. ing. C. Schouwenaar, drs. F. Amankour
Onderwijsvormen	Computerpracticum, Hoorcollege, Werkgroep

Doel vak

Aan het einde van de cursus kun je:

- de trend in de uitgaven voor gezondheidszorg in Nederland uitleggen (Verbinding tussen Theorie en Praktijk - Toepassing);
- de gezondheidseconomische theorie toepassen om de recente ontwikkelingen op de Nederlandse gezondheidszorgmarkt voor curatieve zorg ("cure"), de Nederlandse markt voor langdurige zorg ("care") en de markt voor arbeidsongeschiktheidsverzekering analyseren en evalueren (Verbinding tussen Theorie en Praktijk - Kennis en Toepassing);
- de rol van de overheid in de Nederlandse zorgmarkten begrijpen (Verbinding tussen Theorie en Praktijk - Toepassing);

- de belangrijkste kwesties binnen het Nederlandse zorgsysteem identificeren en begrijpen en reeds geïmplementeerde of toekomstige oplossingen evalueren (Academische en onderzoeksvaardigheden; Horizon Verbreden);

Inhoud vak

Economie van de gezondheidszorg houdt zich bezig met de verstrekking van, en vraag naar gezondheidszorg. We zullen de relevante economische theorieën en concepten bespreken die nodig zijn om het functioneren van de (Nederlandse) gezondheidszorgmarkten te begrijpen: de markt voor curatieve zorg, de markt voor langdurige zorg en de markt voor arbeidsongeschiktheidsverzekering. Tijdens de cursus zullen studenten bestuderen hoe beleidsmakers proberen de beleidsdoelstellingen van hoogwaardige, betaalbare en toegankelijke zorg in Nederland te bereiken. Nederlandse gezondheidszorginstellingen en huidige voorschriften zullen worden gepresenteerd.

Aanvullende informatie onderwijsvormen

Hoorcolleges, tutorials en computertutorials

Toetsvorm

Eén schriftelijk examen - individuele beoordeling.

Eén opdracht voor thuis - groepsbeoordeling.

Literatuur

Erik Schut en Marco Varkevisser, 'Economie van de gezondheidszorg', vijfde herziene editie, 2014, Reed Business Education Amsterdam, ISBN139789035246928 of zesde ongewijzigde editie 2016, Reed Business Education Amsterdam, ISBN13 97890368 13136

Aanvullende literatuur zal beschikbaar zijn op Canvas.

Aanvullende informatie doelgroep

Let op! De cursus wordt in het Nederlands gegeven.

Aanbevolen voorkennis

We verwachten dat studenten enige kennis hebben van (gezondheids) economie.

Educatieve Minor Didactiek 1

Vakcode	O_EMDID1
Studiepunten	6.00
Periode	P1
Vakniveau	400
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	C.L. Geraedts
Examinator	drs. L.J. van Well-van Grootheest
Betrokken Docenten	prof. dr. M. Meeter, dr. O.P.M. van Buuren, drs. A.J.C. Monquil, drs. L.A. van der Bruggen, W. Maas, drs. J.K.W. Riksen, drs. H.R. Goudsmit, drs. Y.G. Meindersma, dr. I. Pauw, dr. C.D.P. van Oeveren, dr. S. Donszelmann, drs. W. Jongejan, drs. L.J. van Well-van Grootheest, dr. H.B. Westbroek, C.L. Geraedts, dr. A.A. Kaal, J. Quartel MA, R.B. van der Vos, R.M.C. Canisius, dr. B. de Vries, prof. dr. ir. F.F.J. Hermans, drs. E.D. van Noort, drs. S.M. van den Broek MA MSc., dr. S.M. Calor, prof. dr. ir. F.F.J. Hermans, drs. N.H. Ypenburg
Onderwijsvormen	Hoorcollege, Werkgroep

Doel vak

Na afloop van dit vak beschikt de student over de basale pedagogische, algemeen-didactische en vakdidactische kennis en vaardigheden die nodig zijn voor het handelen als leraar in simpele en overzichtelijke situaties (bijvoorbeeld op het niveau van één les met aandacht voor de klas als groep).

Inhoud vak

De cursus Didactiek 1 is onderdeel van de eerste fase (fase I) van de Universitaire Lerarenopleidingen (ULO) van de VU Lerarenacademie waarin didactiek en praktijk samenkomen. Het vak loopt dan ook parallel aan de cursus Praktijk 1 (stage). Tijdens Didactiek 1 worden de onderdelen peergroup (PG), algemene didactiek en pedagogiek (AD) en vakdidactiek (VD) in samenhang aangeboden. Hierbij wordt nadrukkelijk aangesloten bij de ontwikkelingsfase waarin de leraar-in-opleiding (lio) zich bevindt.

De cursus is geordend rondom zogeheten kernpraktijken die fundamenteel zijn voor het beroep van leraar. Bij Didactiek 1 staan de volgende kernpraktijken centraal: (1) Contact maken, (2) De les starten, (3) Krediet opbouwen en uitgeven, (4) De les voorbereiden, (5) Orde houden, en (6) Uitleggen, instructie geven en de les afsluiten. De reikwijdte van het didactisch denken en handelen is in deze eerste fase meestal nog beperkt tot één les. De ervaring leert dat deze zes kernpraktijken voor de meeste lio's vrijwel direct aan de orde komen in het eerste deel van de praktijkstage en daardoor een goede basis vormen.

Het fysieke onderwijs van Didactiek 1 concentreert zich op de maandag (de instituutsdag). De dag begint met een peergroupsessie (PG) waarin lio's werken aan professionele vaardigheden (reflecteren op het eigen leerproces, kritisch onderbouwen van de eigen praktijk, etc.). Vervolgens komen bij AD genoemde kernpraktijken expliciet aan de orde. In de middag komen bij VD verschillende belangrijke onderwerpen en werkwijzen aan bod die bij het leren van het eigen schoolvak van belang zijn. Tijdens deze sessies wordt zo veel mogelijk aangesloten bij de kernpraktijken. Alle inhoudscomponenten uit deze cursus worden tijdens de bijeenkomsten en in de verwerking verbonden met de lespraktijk van de lio. De lio en de werkplekbegeleider krijgen ook suggesties voor (observatie)opdrachten die kunnen bijdragen aan de ontwikkeling van de competenties die bij deze kernpraktijken horen.

Het onderdeel AD in de cursus Didactiek 1 is vormgegeven volgens het principe van blended learning. Tijdens het onderwijs op de maandag wordt voortgebouwd op een zelfstudiemodule die lio's ter voorbereiding online hebben doorlopen, en waarin één kernpraktijk centraal staat. Daarnaast is er nadrukkelijk ruimte voor differentiatie: alle ruim 20 kernpraktijken die samen de leerlijn AD in de gehele eerstegraads opleiding vormen, zijn in de vorm van deze zelfstudiemodules voor lio's toegankelijk. Op deze manier kunnen lio's gemakkelijk terugrijpen naar een kernpraktijk die al eerder aan bod kwam, of vooruitwerken als de eigen lespraktijk daarom vraagt.

De colleges en workshops AD en PG worden verzorgd door een vast team van docenten (algemeen didactici, pedagogen, vakdidactici). Lio's volgen deze onderdelen met peers van verschillende schoolvakken. Het werkcollege VD in de middag is onder begeleiding van de eigen vakdidacticus. Deze werkcolleges worden samen met lio's van hetzelfde (school)vak gevolgd.

Bij alle colleges wordt een actieve houding van de student gevraagd, zowel tijdens de bijeenkomsten als daarbuiten. Regelmatig worden verwerkingsopdrachten gegeven, waar individueel of in groepsverband aan wordt gewerkt. Deze opdrachten worden formatief geëvalueerd, onder andere door middel van (peer)feedback.

Aanvullende informatie onderwijsvormen

Hoorcolleges, werkcolleges en zelfstudiemodules

Toetsvorm

Didactiek 1 wordt afgesloten met een (geschreven) startproef, bestaande uit een lesontwerp, een verantwoording op basis van theorie, en een uitwerking van eigen leerdoelen.

Literatuur

De volgende twee boeken zijn verplicht voor het onderdeel algemene didactiek:

- Blakemore, S. (2019). *Inventing ourselves. The secret life of the teenage brain*. London: Transworld Publishers Ltd.
- Ebbens, S. & Ettehoven, S. (2020). *Effectief leren*. Groningen: Noordhoff Uitgevers, B.V.

Schaf deze boeken aan vóór de start van de opleiding. Twee opmerkingen daarbij: de ervaring leert dat je met een (tweedehands) exemplaar van een oudere editie van Effectief leren over het algemeen behoorlijk uit de voeten kunt. Ten tweede, het boek *Inventing ourselves* is ook in het Nederlands vertaald. Als je dat prettiger vindt mag je natuurlijk gebruik maken van de vertaalde editie.

Daarnaast zijn wij enthousiast over de volgende boeken:

- Horeweg, A. (2015). *Gedragsproblemen in de klas in het voortgezet onderwijs*. Amsterdam: Lannoo Campus.
- Teitler, P. (2017). *Lessen in orde*. Bussum: Coutinho.

Deze laatste twee boeken zijn niet verplicht. Tijdens de eerste colleges zullen we kort iets over deze boeken vertellen, en is er gelegenheid om ze even door te bladeren, zodat je zelf te zijner tijd de keuze kunt maken om (één van) deze boeken aan te schaffen.

Behalve van bovenstaande handboeken wordt veelvuldig gebruik gemaakt van wetenschappelijke literatuur. De desbetreffende artikelen worden tijdens de cursus ter beschikking gesteld via Canvas. De literatuur die bij VD gebruikt wordt is afhankelijk van het schoolvak waarvoor wordt opgeleid.

Aanvullende informatie doelgroep

Deze cursus is onderdeel van de educatieve minor, de educatieve module, de (eenjarige) Master LVHO en de (tweejarige) Master Educatie.

Educatieve Minor Didactiek 2

Vakcode	O_EMDID2
Studiepunten	9.00
Periode	P2+3
Vakniveau	400
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	C.L. Geraedts
Examinator	drs. L.J. van Well-van Grootheest
Betrokken Docenten	drs. N.H. Ypenburg, drs. E.D. van Noort, dr. O.P.M. van Buuren, prof. dr. M. Meeter, dr. I. Pauw, drs. J.K.W. Riksen, drs. H.R. Goudsmit, drs. Y.G. Meindersma, dr. C.D.P. van Oeveren, dr. S. Donszelmann, drs. W. Jongejan, drs. L.J. van Well-van Grootheest, dr. H.B. Westbroek, C.L. Geraedts, dr. A.A. Kaal, drs. A.J.C. Monquil, drs. L.A. van der Bruggen, W. Maas, drs. J. Quartel MA, J. Quartel MA, dr. B. de Vries, R.M.C. Canisius, R.B. van der Vos, drs. E.D. van Noort, drs. S.M. van den Broek MA MSc., dr. S.M. Calor, prof. dr. ir. F.F.J. Hermans, prof. dr. ir. F.F.J. Hermans
Onderwijsvormen	Hoorcollege, Werkgroep

Doel vak

Na afloop van dit vak beschikt de student over de basale pedagogische, algemeen-didactische en vakdidactische kennis en vaardigheden die nodig zijn voor het zelfstandig ontwerpen en uitvoeren van (korte) lessenreeksen.

Inhoud vak

De cursus Didactiek 2 is onderdeel van de tweede fase (fase II) van de Universitaire Lerarenopleidingen (ULO) van de VU Lerarenacademie waarin didactiek en praktijk samenkomen. Het vak loopt dan ook parallel aan de cursus Praktijk 2 (stage). Tijdens Didactiek 1 worden de onderdelen peergroup (PG), algemene didactiek en pedagogiek (AD) en vakdidactiek (VD) in samenhang aangeboden. Hierbij wordt nadrukkelijk aangesloten bij de ontwikkelingsfase waarin de leraar-in-opleiding (lio) zich bevindt.

Didactiek 2 is geordend rondom een aantal voor het beroep van leraar fundamentele kernpraktijken. Bij Didactiek 2 staan de volgende kernpraktijken centraal: (1) Zien wie er in je klas zit, (2) Leerprocessen bevorderen, (3) Leerprocessen zichtbaar maken, (4) Leiding geven, (5) Een veilig leerklimaat creëren, en (6) Leerprocessen toetsen. Ten opzichte van de cursus Didactiek 1 wordt de focus verlegd van de (individuele) les naar het leerproces van de leerling. De reikwijdte van het didactisch denken en handelen wordt daarmee ook groter: er wordt een begin gemaakt met het ontwerpen en uitvoeren van reeksen van lessen.

Het fysieke onderwijs van Didactiek 2 concentreert zich op de maandag (de instituutsdag). De dag begint met een

peergroupsessie (PG) waarin lio's werken aan professionele vaardigheden (reflecteren op het eigen leerproces, kritisch onderbouwen van de eigen praktijk, etc.). Vervolgens komen bij AD in periode 2 genoemde kernpraktijken expliciet aan de orde. In de middag komen bij VD verschillende belangrijke onderwerpen en werkwijzen aan bod die bij het leren van het eigen schoolvak van belang zijn. Tijdens deze sessies wordt zo veel mogelijk aangesloten bij de kernpraktijken. Alle inhoudscomponenten uit deze cursus worden tijdens de bijeenkomsten en in de verwerking verbonden met de lespraktijk van de lio. De lio en de werkplekbegeleider krijgen ook suggesties voor (observatie)opdrachten die kunnen bijdragen aan de ontwikkeling van de competenties die bij deze kernpraktijken horen. In periode 3 staan, na de peergroupsessies in de ochtend, een aantal grote onderwijsthema's centraal.

Het onderdeel AD in de cursus Didactiek 2 is vormgegeven volgens het principe van blended learning. Tijdens het onderwijs op de maandag wordt voortgebouwd op een zelfstudiemodule die lio's ter voorbereiding online hebben doorlopen, en waarin één kernpraktijk centraal staat. Daarnaast is er nadrukkelijk ruimte voor differentiatie: alle ruim 20 kernpraktijken die samen de leerlijn AD in de gehele eerstegraads opleiding vormen, zijn in de vorm van deze zelfstudiemodules voor lio's toegankelijk. Op deze manier kunnen lio's gemakkelijk teruggrijpen naar een kernpraktijk die al eerder aan bod kwam, of vooruitwerken als de eigen lespraktijk daarom vraagt.

De colleges en workshops AD en PG worden verzorgd door een vast team van docenten (algemeen didactici, pedagogen, vakdidactici). Lio's volgen deze onderdelen met peers van verschillende schoolvakken. Het werkcollege VD in de middag is onder begeleiding van de eigen vakdidacticus. Deze werkcolleges worden samen met lio's van hetzelfde (school)vak gevolgd.

Bij alle colleges wordt een actieve houding van de student gevraagd, zowel tijdens de bijeenkomsten als daarbuiten. Regelmatig worden verwerkingsopdrachten gegeven, waar individueel of in groepsverband aan wordt gewerkt. Deze opdrachten worden formatief geëvalueerd, onder andere door middel van (peer)feedback.

Aanvullende informatie onderwijsvormen

Hoorcolleges, werkcolleges en zelfstudiemodules

Toetsvorm

Didactiek 2 wordt afgesloten met een (geschreven) basisproef, bestaande uit een ontwerp voor een reeks van drie lessen, een verantwoording (op basis van visie, theorie, en praktijkervaringen), een videocompilatie, een evaluatie en een terugblik.

Literatuur

De volgende twee boeken zijn verplicht voor het onderdeel algemene didactiek:

- Blakemore, S. (2019). *Inventing ourselves. The secret life of the teenage brain*. London: Transworld Publishers Ltd.
- Ebbens, S. & Ettekoven, S. (2020). *Effectief leren*. Groningen: Noordhoff Uitgevers, B.V.

Schaf deze boeken aan vóór de start van de opleiding. Twee opmerkingen daarbij: de ervaring leert dat je met een (tweedehands) exemplaar van een oudere editie van *Effectief leren* over het algemeen behoorlijk uit de voeten kunt. Ten tweede, het boek *Inventing ourselves* is ook in het Nederlands vertaald. Als je dat prettiger vindt mag je natuurlijk gebruik maken van de vertaalde editie.

Daarnaast zijn wij enthousiast over de volgende boeken:

- Horeweg, A. (2015). *Gedragsproblemen in de klas in het voortgezet onderwijs*. Amsterdam: Lannoo Campus.
- Teitler, P. (2017). *Lessen in orde*. Bussum: Coutinho.

Deze laatste twee boeken zijn niet verplicht. Tijdens de eerste colleges zullen we kort iets over deze boeken vertellen, en is er gelegenheid om ze even door te bladeren, zodat je zelf te zijner tijd de keuze kunt maken om (één van) deze boeken aan te schaffen.

Behalve van bovenstaande handboeken wordt veelvuldig gebruik gemaakt van wetenschappelijke literatuur. De

desbetreffende artikelen worden tijdens de cursus ter beschikking gesteld. De literatuur die bij VD gebruikt wordt is afhankelijk van het schoolvak waarvoor wordt opgeleid.

Aanvullende informatie doelgroep

Deze cursus is onderdeel van de educatieve minor, de educatieve module, de (eenjarige) Master LVHO en de (tweejarige) Master Educatie

Overige informatie

Voorwaardelijk voor afronding van Didactiek 2: een voldoende beoordeling van Didactiek 1.

Educatieve Minor Praktijk 1

Vakcode	O_EMPRAK1
Studiepunten	6.00
Periode	P1
Vakniveau	400
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	drs. Y.G. Meindersma
Examinator	drs. Y.G. Meindersma
Betrokken Docenten	drs. E.D. van Noort, dr. O.P.M. van Buuren, dr. A. Handelzalts, drs. J.K.W. Riksen, drs. H.R. Goudsmit, drs. Y.G. Meindersma, dr. I. Pauw, dr. C.D.P. van Oeveren, dr. S. Donszelmann, drs. L.J. van Well-van Grootheest, dr. H.B. Westbroek, C.L. Geraedts, dr. A.A. Kaal, drs. A.J.C. Monquill, drs. L.A. van der Bruggen, W. Maas, drs. N.H. Ypenburg, R.B. van der Vos, R.M.C. Canisius, J. Quartel MA, drs. E.D. van Noort, dr. S.M. Calor, drs. S.M. van den Broek MA MSc., prof. dr. ir. F.F.J. Hermans
Onderwijsvormen	Werkcollege

Doel vak

Leservaring opdoen voor je eigen schoolvakspecialisatie in klassen vmbo-tl en/of onderbouw havo/vwo.

Inhoud vak

Tijdens Praktijk 1 doorloopt de lio het eerste deel van de praktijkstage onder begeleiding van een werkplekbegeleider (wpb). De stage omvat minimaal 48 klassencontacturen in vmbo- tl en/of onderbouw havo/vwo (de doelgroep voor een beperkte tweedegraads bevoegdheid). Tijdens de klassencontacturen observeert de student lessen, geeft de student zelf lessen/lesonderdelen, of onderneemt andere leerlinggerichte activiteiten. Binnen de in totaal 120 klassencontacturen die voor Praktijk 1 en Praktijk 2 gezamenlijk staan, worden ten minste 60 lesuren van 50 minuten door de student zelf verzorgd.

Op school wordt de aandacht in ieder geval ook gericht op de kernpraktijken en vakdidactische onderwerpen die op het instituut aan bod komen. De werkplekbegeleider wordt per mail en via de wpb-website op de hoogte gesteld van de kernpraktijken. De student bespreekt nieuwe inzichten opgedaan tijdens de instituutsdag en uit de literatuur met de wpb.

Voor het in kaart brengen van de vorderingen en voor de beoordeling van lio's wordt gebruik gemaakt van praktijkbeoordelingsrubrics. Deze rubrics vormen ook een mooi formatief instrument voor wpb en student om ontwikkelpunten in kaart te brengen en te bespreken.

Aanvullende informatie onderwijsvormen

Onder begeleiding van de werkplekbegeleider nemen de studenten steeds meer en actiever deel aan het lesgeven en werken in de school.

Toetsvorm

Voor de afronding van Praktijk 1 voert de student tegen het eind van de eerste fase op de (opleidings-)school de opdracht 'Presenteer jezelf' uit. De student presenteert zichzelf als leraar in opleiding en voert daarbij bewijsmateriaal aan over zijn/haar functioneren in de praktijk gedurende de eerste fase. Vervolgens beoordeelt de werkplekbegeleider de student aan de hand van het Beoordelingsformulier Praktijk. Het functioneren van de student gedurende de stage én de inbreng tijdens de presentatie vormen input voor de beoordeling.

Educatieve Minor Praktijk 2

Vakcode	O_EMPRAK2
Studiepunten	9.00
Periode	P2+3
Vakniveau	400
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	drs. Y.G. Meindersma
Examinator	drs. Y.G. Meindersma
Betrokken Docenten	drs. E.D. van Noort, dr. O.P.M. van Buuren, drs. A.J.C. Monquil, drs. L.A. van der Bruggen, W. Maas, drs. N.H. Ypenburg, drs. J.K.W. Riksen, drs. H.R. Goudsmit, drs. Y.G. Meindersma, dr. I. Pauw, dr. C.D.P. van Oeveren, dr. S. Donszelmann, drs. L.J. van Well-van Grootheest, dr. H.B. Westbroek, C.L. Geraedts, dr. A.A. Kaal, dr. A. Handelzalts, R.M.C. Canisius, R.B. van der Vos, J. Quartel MA, dr. B. de Vries, drs. E.D. van Noort, drs. S.M. van den Broek MA MSc., dr. S.M. Calor, prof. dr. ir. F.F.J. Hermans
Onderwijsvormen	Werkcollege

Doel vak

Leservaring opdoen voor je eigen schoolvakspecialisatie in klassen vmbo-tl en/of onderbouw havo/vwo.

Inhoud vak

Tijdens Praktijk 2 ontwikkelen studenten zich als leraar-in-opleiding op pedagogisch, algemeen didactisch en vakdidactisch vlak. De kernpraktijken, die op het instituut en tijdens de stage aan bod komen, spelen daarbij een belangrijke rol. Deel 2 van de stage omvat minimaal 72 klassencontacturen in vmbo- tl en/of onderbouw havo/vwo (de doelgroep voor een beperkte tweedegraads bevoegdheid). Tijdens de klassencontacturen observeert de student lessen, verzorgt de student zelf lessen/lesonderdelen, of onderneemt andere leerlinggerichte activiteiten. Binnen de in totaal 120 klassencontacturen die voor Praktijk 1 en Praktijk 2 gezamenlijk staan, worden ten minste 60 lesuren van 50 minuten door de student zelf verzorgd.

Voor het in kaart brengen van de vorderingen en voor de beoordeling van lio's wordt gebruik gemaakt van praktijkbeoordelingsrubrics. Deze rubrics vormen ook een mooi formatief instrument voor wpb en student om ontwikkelpunten te formuleren en te bespreken.

Aanvullende informatie onderwijsvormen

Onder begeleiding van de werkplekbegeleider nemen de studenten steeds meer en actiever deel aan het lesgeven en werken in de school.

Toetsvorm

Voor de afronding van Praktijk 2 maakt de student in blok 2 of 3 een afspraak met zijn werkplekbegeleider en de schoolopleider voor een afrondend lesbezoek. De werkplekbegeleider en de schoolopleider beoordelen de les aan de hand van het Beoordelingsformulier Praktijk. De werkplekbegeleider en de schoolopleider komen samen tot een oordeel (= cijfervoorstel). Ieder heeft daarbij zijn eigen rol. De werkplekbegeleider betreft bij het oordeel het complete traject dat de student doorlopen heeft en de lessen die hij gezien heeft; de schoolopleider baseert zijn oordeel op deze 'examenleses'.

De student dient het beoordelingsformulier met toelichting van de wpb en eigen reactie te uploaden op Canvas bij Praktijk 2. De vakdidacticus bekijkt de beoordeling. Naar aanleiding van het cijfervoorstel neemt de VU- mentor contact op met de werkplekbegeleider en stelt hierna het cijfer vast. De VU-mentor is formeel eindverantwoordelijk voor het cijfer voor de Praktijk. De student dient voor de verschillende onderdelen van de rubrics overwegend op

niveau 2 te functioneren.

Vereiste voorkennis

Voorwaardelijk voor afronding van Praktijk 2: een voldoende beoordeling van Praktijk 1 en Didactiek 1.

Educatieve Minor, Peergroep

Vakcode	O_EMPEERGR
Studiepunten	0.00
Periode	P1+2+3
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	drs. L.J. van Well-van Grootheest
Examinator	drs. L.J. van Well-van Grootheest
Betrokken Docenten	
Onderwijsvormen	Werkcollege, Werkgroep

Doel vak

De student werkt in de sessies Peergroup (PG) aan twee leerlijnen: het onderzoekend leren kijken naar ervaringen en het leren voeren van een professionele dialoog. De bijeenkomsten maken onderdeel uit van de vakken Didactiek 1 en 2.

De student leert systematisch te reflecteren op de eigen onderwijspraktijk en hierover in gesprek te gaan. De student gebruikt hierbij feedback van derden, beeldmateriaal van de eigen praktijkuitvoering, kennis uit de school, opleiding en onderwijsonderzoek.

Subdoelen - de student kan:

- de stappen in de reflectiecirkel van Korthagen onderscheiden en doorlopen;
- student kan leerpunten en sterke kanten van het eigen functioneren als docent benoemen;
- effectief feedback geven en ontvangen;
- tijdens de intervisie en reflectie opgedane inzichten omzetten in concrete leerpunten en organiseert de aanpak hiervan;
- verschillende typen onderwijsonderzoek onderscheiden en op kwaliteit en praktische bruikbaarheid voor zijn eigen praktijk beschouwen;
- gebruik maken van bronnen (onderzoeksliteratuur en vakbladliteratuur) voor de analyse van praktijksituaties / onderwijsontwikkelingen;
- gebruik maken van bronnen voor een onderbouwde ontwikkeling van de eigen visie en lespraktijk.

Inhoud vak

In de peergroup staat het handelen als 'professional' centraal. Studenten leren de regie te nemen over hun eigen leerproces. Ook ontwikkelen ze hun persoonlijke visie op onderwijs en een professionele identiteit, waarin ze de eisen die het beroep van docent aan ze stelt verbinden met eigen kennis, waarden en motieven.

In werkgroepen op de maandagochtend (de instituutsdag) reflecteren studenten op hun handelen in de praktijk (stage/werkplek), leiden daaruit ontwikkelpunten af, formuleren acties en evalueren deze. Ze leren hierbij op een professionele wijze met elkaar in gesprek te gaan en ervaringen te delen.

Verschillende instrumenten en methodes worden gebruikt (logboek, reflectiecirkel, intervisie, videoreflectie, etc.) om de student in staat te stellen de complexiteit van de onderwijspraktijk te doorgronden en hiervan te leren. In de peergroups wordt literatuur bestudeerd over onderwijs en onderwijsonderzoek en er wordt onderzocht wat hiervan de relevantie is voor de eigen onderwijspraktijk.

De colleges PG worden verzorgd door een vast team van docenten (algemeen didactici, pedagogen, vakdidactici). Lio's volgen deze onderdelen met peers van verschillende schoolvakken. Bij de indeling wordt getracht rekening te houden met de voorkennis en ervaring van de verschillende studenten.

Aanvullende informatie onderwijsvormen

Werkgroepen. Aanwezigheid bij de peergroup is verplicht.

Toetsvorm

Onderdelen uit de peergroup worden getoetst in de startproef en de basisproef, en komen terug in de praktijk.

Literatuur

Literatuur wordt nader bepaald en via de Peergroup Canvaspagina gedeeld.

Aanvullende informatie doelgroep

Deze cursus is onderdeel van de educatieve minor, de educatieve module, de (eenjarige) Master LVHO en de (tweejarige) Master Educatie.

Afwijkende intekenprocedure

Hoewel Peergroup onderdeel uitmaakt van de vakken Didactiek 1 en 2 moeten studenten apart voor de peergroupwerkgroepen ingeschreven staan.

Emerging Technologies for E-Business and Online Commerce

Vakcode	E_MFEO_ETEOC
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	L.A. Falcke
Examinator	L.A. Falcke
Betrokken Docenten	L.A. Falcke
Onderwijsvormen	Lecture, Seminar

Doel vak

Academic & research skills: Be able to critically assess the potential of emerging digital technologies for value creation in today's economy.

Knowledge: Knowledge of the technological, organizational, processual, and economic aspects of the digital technology.

Bridging Theory and Practice: Ability to translate and apply theoretical knowledge into practice. After successfully completing this course you will be able to apply the knowledge you obtain about this domain in analyzing business cases related to emerging technologies in e-business and online commerce.

Professional social skills: Ability to work effectively in teams and communicate on project findings.

Self-awareness: Ability to reflect about the learning process itself, which enables students to take responsibility for their learning and knowledge creation.

Inhoud vak

The digital age brings about many changes that challenge our understanding of how firms operate and create

value. This course thus focuses on the properties and potentials of emerging digital technologies for value creation for businesses. It explores properties of digital technology, different types of digital innovations, different models of organizing and creating value from digital innovation, as well as their implications for organizations and societies. More specifically, in this course, we will focus on three key issues: First we will review some major “emerging” digital technologies. Then we explore platforms and ecosystems as two important models for organizing & enabling digital innovation. Finally, we dive into the broader implications of emerging technologies for organizations and society, including their unintended consequences. In a course-long group project, students will devise platform- or ecosystem-based digital initiatives that leverage an emerging technology to create value for a legacy firm or a start-up.

Aanvullende informatie onderwijsvormen

- Lectures
- Tutorials

Toetsvorm

- Group Project
- Individual Assignments

Vereiste voorkennis

This course is part of the minor E-business and Online Commerce. Students should at least be familiar with the content of 'Introduction to E-business and Online Commerce' and 'Consumer Science for Online Commerce'

Literatuur

Various resources that will be made available via Perusall.

Aanvullende informatie doelgroep

This minor can be followed by all SBE bachelor students. In addition, advanced bachelor students (third year) from other faculties are welcome to join. Particularly those with in an interest in Business and Organization Studies, Digital Technology, Entrepreneurship, Economics. It is especially interesting for:

- Future managers who want to understand how digital technologies can be implemented to transform existing business
- Entrepreneurs that want explore and exploit the opportunities of digital technologies
- Future consultants in digital technology, strategic business consultants, or government policy consultants

Overige informatie

This course is part of the minor E-business and Online Commerce and Digital Business Innovation.

Toelichting Canvas

Students are expected to continually check Canvas and any Canvas-generated emails.

Aanbevolen voorkennis

Courses in period 1 and 2 of the Minor E-business and Online Commerce

Empirical Economics

Vakcode	E_MFAE_EEC
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. N. Ketel
Examinator	dr. N. Ketel
Betrokken Docenten	dr. N. Ketel
Onderwijsvormen	Lecture, Seminar

Doel vak

In order for policy makers to make good decisions about which programs or policies to adopt, they must have a strong understanding of how these interventions will affect the people that are targeted by the program or policy. For a variety of reasons, though, measuring the causal effects of interventions remains a difficult challenge. Fortunately, advances in both data collection and research methods provide opportunities to develop the type of knowledge that can improve policy. This course aims to:

- Help students recognize the need for high-quality evaluation research and to identify whether certain studies meet these standards;
- Help students understand the key elements and intuition behind a number of microeconomic techniques used to empirically analyse economic models;
- Help students develop a tool-kit of models - and familiarize them with a software package to apply them (R) - so they can design and carry out their own quantitative research;
- Learn how to interpret estimation results and translate these into policy conclusions;
- Expose students to high-quality quantitative research on important policy questions.

Inhoud vak

In the course meetings we will discuss a range of approaches that are often used to empirically analyse economic models, including instrumental variables, randomized controlled experiments, regression-discontinuity designs, fixed effects models, differences-in-differences and an introduction to machine learning.

Aanvullende informatie onderwijsvormen

Lectures and tutorials

Toetsvorm

Written exam, one individual writing assignment, two group data assignments

Literatuur

Stock, J.H. and M.M. Watson, "Introduction to econometrics", 4th edition, Pearson.

Aanbevolen voorkennis

Introduction to econometrics (linear regression and maximum likelihood) and basic statistics (estimation and hypothesis testing).

Empirical Finance

Vakcode	E_MFAE_EFIN
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	N. Kessler MSc
Examinator	N. Kessler MSc
Betrokken Docenten	N. Kessler MSc
Onderwijsvormen	Seminar, Computer lab, Lecture

Doel vak

The objective of the course is to apply a set of econometric methods to empirical finance topics. Finance is a very broad research field with a large number of applications. It can be divided broadly into the two areas of corporate finance and asset pricing. We will cover topics from both areas with some more focus on asset pricing. The course gives insight into a wide range of finance applications and every week a new topic is covered. In particular, the course will cover topics such as financial data and its properties, volatility modeling, risk forecasting, model comparison and backtesting, simulation procedures and portfolio optimization. We will investigate how characteristics of financial data such as e.g. non-normality challenge the assumptions of econometric methods and

how the methods can be adapted to handle such data properties. A mixture of theoretical lectures and practical applications is used to study how econometric methodology can facilitate financial decision making and extract information from financial market data. A vital part of the course will be both theoretical and practical tutorial sessions in which students have to solve problems that are topic-wise related to the theory discussed in class.

Inhoud vak

The course applies econometric methods to a broad range of finance topics. Topics covered are among others, autoregressive processes, volatility modelling (e.g. GARCH), historical simulation, model comparison and back-testing, and Monte Carlo simulation methods.

Aanvullende informatie onderwijsvormen

For each topic, the course follows the following structure: in-class lecture(s), theoretical exercise sessions, practical exercise session using Matlab.

Toetsvorm

Programming assignments – Group assessment: Two programming assignments need to be solved over the six weeks of the course, which count for 20% each.

Final exam – Individual assessment: The exam is run digitally on a computer and counts for 60% of the final grade.

Literatuur

- Danielsson (2011): Financial Risk Forecasting
- Brooks (2014): Introductory Econometrics for Finance, 3rd

Aanvullende informatie doelgroep

This course in the minor Applied Econometrics is targeted at both econometrics and non-econometrics students.

Aanbevolen voorkennis

Programming pre-knowledge is helpful but by no means a guarantee to be able to solve the programming problems sufficiently. At the beginning of the course a short introduction to the programming language is given, but students need to be aware that an active constant work effort is needed during the course to successfully master the programming part in the programming assignment.

The course focuses on making the connection between econometric methods and applications in finance using real empirical data. Since we cover a wide variety of finance topics and there is no time to introduce finance theory, a prerequisite of the course is finance knowledge on the level of at least a first-year bachelor finance course. Concepts such as e.g. interest rate compounding, different forms of return calculation, basic understanding of measuring risk in finance, different asset classes etc. need to be known already.

If that is not the case students are expected to prepare themselves for the course and classes by catching up on their finance knowledge. Literature resources for brushing up this finance knowledge can be: Investments (2017) by Bodie and Kane, and Corporate Finance (2016) by Berk and DeMarzo. Moreover, the courses of period 3.1 in the Minor Applied Econometrics are assumed known background knowledge.

Empowering People for Societal Changes

Vakcode	E_IBK3_EPSC
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. R.B.L. Sijbom
Examinator	dr. R.B.L. Sijbom

Betrokken Docenten	dr. R.B.L. Sijbom
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

Academic & Research Skills

After successfully accomplishing this, the student

- Can design, conduct, and report on a practical societal-change related problem and come up with a plan of action how HRM can be used to empower people
- Is able to explain theoretical models and concepts in the field of HRM, particularly with regard how they may empower people.

Bridging theory and practice

After successfully accomplishing this, the student

- Is able to examine and understand how the different aspects of work influence employee performance and well-being, and how HRM can be used to design them such that employees are empowered to face work-related challenges.
- Is able to recognize and discuss the practical problems associated with empowering people for changes in business and society, and design work in such a way as to empower oneself and others.

Social skills

After successfully accomplishing this, the student

- Developed own interpersonal skills and presentation skills
- Is more self-aware of own self-efficacy in facing change, and about what kind of (HR) professional they want to become.

Broadening your horizon

After successfully accomplishing this, the student

- Is able to recognize and consider ethical dilemmas associated with the design of HRM in a diverse workplace.
- Is able to identify societal issues that challenge HR practices

Inhoud vak

Changes in business and society challenge us as individuals, with change in the world of work challenge us as employees. Human Resource Management (HRM) is the business function concerned with ensuring employee productivity and well-being. In this course, we will discuss how HRM professionals can design different aspects of work to empower employees for current changes to the world of work. Specifically, considering how they will help empower employees, we will discuss the design and effects of (1) Individual-Level Work Characteristics, (2) Organizational and Group-level Factors, (3) Team characteristics, and (4) context and contingencies, referring also to individual employees' characteristics such as motivation, ability, gender or cultural background. For each of these aspects, we will discuss their relevance for specific work-related societal changes. Examples of these changes are (a) an enhanced focus on an ethical and sustainable use of human resources ensuring employees' mental health and work-life balance, (b) an increased workplace diversity e.g. with respect to employees' cultural background and values and gender, and (c) the rise of artificial intelligence and new work arrangements such as gig work and the implications for the future of work and careers.

Aanvullende informatie onderwijsvormen

Lectures

Tutorials

Toetsvorm

Individual and group assignment

Vereiste voorkennis

None

Literatuur

To be provided in course manual

Toelichting Canvas

Students will upload their assignment to Canvas

Aanbevolen voorkennis

1.5 HRM Practices: A Global Perspective &

3.4 Leading Organizational Change

English Language Test

Vakcode	VU_ELT
Studiepunten	0.00
Periode	P1
Vakniveau	0
Onderwijstaal	Engels
Faculteit	
Vakcoördinator	
Examinator	
Betrokken Docenten	
Onderwijsvormen	

Doel vak

At VU Amsterdam, having a strong command of the language of your study programme is crucial to your academic success. Therefore, all first-year Bachelor students must take a Dutch or English language proficiency test at the beginning of their studies. The required test depends on the language of instruction for your Bachelor's programme.

See also: [Language Proficiency Test - Vrije Universiteit Amsterdam \(vu.nl\)](https://vu.nl)

Inhoud vak

The test consists of multiplechoice and fill-in-the-blank questions on the following topics:

- Grammar
- Spelling and punctuation
- Structuring
- Vocabulary/usage
- Phrasing
- Reading comprehension
- Pronunciation
- Classroom English

Aanvullende informatie onderwijsvormen

The language proficiency test will take place in September in the DigiTenT at the VU.

Toetsvorm

The language proficiency test is a digital test consisting of 200 closed questions.

Overige informatie

The VU English Language Test is linked to a first-year course. The final grade for this course is awarded only after passing the English Language Test. Students who do not obtain a satisfactory result for the test have to take the refresher course offered by the Taalloket.

For more information on the VU English Language Test, please see also: [Language Proficiency Test - Vrije Universiteit Amsterdam \(vu.nl\)](#)

Afwijkende intekenprocedure

You do not need to register for the test. The Educational Office of your faculty will ensure your registration for the language proficiency test. Once registered, you can find the test's date and time on your personal timetable. If you have not been registered by 8 September, please contact the student desk. You can also check the [timetable](#) of your programme for the test schedule.

Ensure you know your VUnet ID and corresponding password, as you will need these details to log in to the language test. Tip: [change your password](#) to something you can easily remember.

Enterprising Behavior

Vakcode	E_MFEN_ENTB
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J.G.W.J. van Hugten
Examinator	dr. J.G.W.J. van Hugten
Betrokken Docenten	dr. J.G.W.J. van Hugten, G. Orlando, M.M. Akhbulatova
Onderwijsvormen	Study Group, Lecture

Doel vak

L1 Academic and Research Skills: The student is able to analyse an EB-related practical case, and provide a theoretically sound advice.

L2 Bridging theory and practice - knowledge: Students gain a basic understanding of concepts in Entrepreneurial Behaviour, and are able to analyse, compare, and apply these concepts.

L3 Bridging theory and Practice - application: The student is able to apply EB concepts to a practical enterprising-related problem.

L4 Social Skills: The student is able to work in a small team, and is able to orally

present a case assignment that encompasses a theoretical analysis and practical advice based on an EB-related problem.

L5 Broadening your Horizon: The student further develops his/her communication skills in writing by actively improving English writing skills.

L6 Self-Awareness: The student is able to critically reflect on his/her individual and team performance during the course, and he/she is able to use EB concepts in order to illustrate reflection with theoretical arguments.

Inhoud vak

This course takes an Opportunity-centred approach to enterprising behaviour (OCE). This distinctive approach to learning focuses students on the human behaviours used in thinking, learning, decision-making, working and managing in enterprising ways. Students will learn about and experience thinking and acting as enterprising individuals using real-world learning cases, through which they can develop the skills and confidence to recognize, create and act effectively on opportunities. These competencies are the basic building blocks for a future enterprising career.

Aanvullende informatie onderwijsvormen

The format of instruction is lectures and tutorials.

Toetsvorm

Assessment is based upon individual and group assignments.

Literatuur

There is no mandatory literature.

Recommended: Rae, D. (2014). Opportunity-Centred Entrepreneurship (Second edition). Palgrave Macmillan.

Overige informatie

The course is provided in English

Entrepreneurial Strategy

Vakcode	E_MFEN_ES
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	K. Becker
Examinator	K. Becker
Betrokken Docenten	K. Becker, M. van Merriënboer
Onderwijsvormen	Seminar, Lecture

Doel vak

Academic skills: Students are able to critically analyze the different core choices that entrepreneurs need to make in order to create and capture value through a process of new venture design using insights from scientific knowledge. They can provide theoretically sound recommendations for developing and implementing an entrepreneurial strategy focusing on the questions which customers to target, what technologies and innovations to leverage, who to hire, and how to commercialize the core idea in the face of potential competition.

Research skills: Students are able to conduct a systematic assessment of real world cases revolving around existing startups trying to operate in today's entrepreneurial economy. In their analyses, students apply tools learned in class, focusing on whether a focal startup can create a long-term competitive advantage, what are the critical choices that would allow it to do so, and how can the startup navigate these choices in the face of large irreducible uncertainty in a new market or industry. They can present their findings and recommendations in a systematic and structured way.

Knowledge: Students understand the core theories and concepts in the field of entrepreneurial strategy, and they are able to analyze, compare and apply these theories within a choice-centered framework. They understand the different choices that are central to the founding and scaling of a growth venture, their interrelatedness, and the sequence of choices a founding team needs to make to test specific value creation and capture hypotheses when entrepreneurial experimentation requires partial commitment.

Bridging theory and practice: Students are knowledgeable about the importance of a sound entrepreneurial strategy to create and capture value through new venture creation when there are multiple alternative paths for a given idea, the entrepreneur cannot pursue all paths at the same time, positive feedback induces additional search, and commitment-free information is noisy. They are able to systematically identify and implement solutions for founding and growth challenges faced by real world entrepreneurs.

Social skills: Students are able to work effectively in teams and to

present solutions to assignments that require them to make a systematic assessment of a real business case applying the theoretical frameworks seen in class and to offer practical recommendations regarding entrepreneurial strategy-related problems.

Inhoud vak

This course provides an integrated strategy framework for growth-oriented entrepreneurs. The course is structured to provide a deep understanding of the core strategic choices facing startups, a framework for the development and implementation of entrepreneurial strategy in dynamic environments, and the ability to scale those ventures over time.

The course identifies the key choices entrepreneurs make to take advantage of an opportunity and how particular strategic commitments and positions allow entrepreneurs to create a competitive advantage.

The course combines interactive lectures and case analyses focused on existing startups who are trying to operate in today's entrepreneurial economy. The course draws on a rapidly emerging body of research in entrepreneurial strategy that moves beyond the "one size fits all" approach to start-ups and instead focuses on the key choices that founders face as they start and scale their business.

The cases and assignments offer an opportunity to integrate and apply the entrepreneurial strategy framework in a practical way, and draw from a diverse range of industries and settings.

Aanvullende informatie onderwijsvormen

Instruction Lectures
Tutorials

Toetsvorm

Individual assignments
Team assignments

Vereiste voorkennis

Foundations and Forms of Entrepreneurship

Literatuur

Textbook
Selection of articles and cases

Aanbevolen voorkennis

This course builds on the knowledge provided in the Minor Entrepreneurship during Period 3.1: Foundations and Forms of Entrepreneurship.

Environment and Development

Vakcode	S_ED
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	drs. W.A.M. Tuijp
Examinator	drs. W.A.M. Tuijp
Betrokken Docenten	drs. W.A.M. Tuijp, dr. J.K. Maiyo

Doel vak

The aim of the Environment & Development course is to enable you as a student to examine and critically reflect on the relationships between economic and social development, and the environment.

After completion of the course you are able to:

- recognise and describe the current and potential impacts of the major international environmental concerns;
- recognise, analyse and explain the complexities of environmental issues related to development at a global level;
- distinguish, analyse and explain different perspectives on environmental problems and possible solutions;
- recognise organisational and governance issues related to environment and development and be able to think through their consequences for actual practices.

Moreover, as a student you learn to find, analyse and critically reflect on scientific literature within a relevant topic and become a project team member in a research environment, presenting and discussing the researched topic to an audience.

Inhoud vak

What do we mean by the concepts of environment and development and how are the two related?

What are the causes and consequences of global environmental change? How is the global community dealing with ecological problems? How can the world adequately feed more than 9 Billion people by 2050? Is sustainable development, with its notions of environmental 'friendliness', really achievable? During the course we will address these and other critical and societally relevant questions.

Sustainable economic development and sustainable environmental management are two key challenges facing the world today. The relationship between development problems and environmental issues is complex and transboundary – it cuts across the globe. The way we, as a society, allocate financial, human and natural resources directly influences how we manage local, national and global environments. The Environment & Development course is about understanding the world we live in and questioning the sustainability of our choices as individuals and as members of society.

The E&D course takes a multi- and interdisciplinary perspective and looks both at: (1) Global Issues - such as environment-trade-poverty links; and (2) Local Issues - focusing on land degradation, deforestation, water

scarcity and how these have an impact on human development. The course comprises a series of lectures by both VU staff as well as guest lecturers from academia, NGOs and the private sector.

By means of illustrated case studies from all over the world, students learn to appreciate the complexity and interlinked nature of environmental and development issues at both global and local levels.

Furthermore, we encourage students to develop their own (critical) opinion regarding current (and potential) international environmental challenges and their impacts.

Aanvullende informatie onderwijsvormen

Mandatory (guest) lectures, working group assignments and exercises, field trip, tutorials.

Toetsvorm

A mix of group assignments (presentations) and individual assignments (research paper), as well as peer reviewed assignments (trip report).

Literatuur

Each week, a selection of articles will be posted on Canvas to be studied in advance, check the course manual also (on Canvas).

Students will discuss the literature via weekly discussions.

For background reading on the key concepts in this class we will use

"Paths to a Green World: the political economy of the global environment"

by Jennifer Clapp and Peter Dauvergne (2011) 2nd edition. Cambridge - MIT Press.

Aanvullende informatie doelgroep

The E&D course is open to third year VU bachelor students, including exchange students, who join the full Minor Development & Global Challenges.

Overige informatie

Comments from former students on the group assignments:

"We learned a lot from each other, our ideas, strengths and beliefs as well as how difficult it can be to address a topic that not many studies have covered so far, and how important it is to narrow down and focus more on specific topics to get relevant results".

"What we learned most from this assignment was that everybody has their own strengths and weaknesses and that each person's strengths can be used to the fullest extent to create an overall comprehensive and informative presentation".

"The group project was demanding and difficult at times, but it taught

us a lot and made us realize how lucky we were to be in a good group with members who all put a lot of effort to finish a project that we were happy with".

"We learned a lot from this group project, especially about our subject on food loss: how important it is to address the complicated and complex problem that food loss is to our planet and society. We found our topic very interesting and would have liked to delve deeper into the subject if we had more time".

Aanbevolen voorkennis

Interest in environmental issues and social questions

ERP-systemen

Vakcode	EPG_A_ERPS
Studiepunten	6.00
Periode	P2, P6
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	School of Business and Economics
Vakcoördinator	drs. J.G.I. van den Belt RA
Examinator	prof. dr. O.C. van Leeuwen
Betrokken Docenten	
Onderwijsvormen	Computerpracticum, Hoorcollege

Doel vak

The goal of this course is to give insight in the consequences of acquiring an enterprise system as well as working with an enterprise system.

- Knowledge: Research on the factors that influence the success of acquisition and implementation of an enterprise system as well as the realization of a business case is discussed. Practical knowledge about SAP-ERP will be gained.
- Bridging theory and practice: Themes that were learned in bookkeeping will be brought into practice with the application SAP.
- Quantitative skills: Realization of purchases, production and sales in a company is analyzed a.o. by comparison with planned figures and reported to management.

Inhoud vak

The theoretical part starts with some basic concepts of automation in a company followed by the acquisition, implementation, operation and management of an enterprise system from a practical as well as an academic point of view. Attention is given to the influence of an enterprise system on business and administrative processes.

In the practical part a business is set up in SAP and a purchase, production and sales process are simulated resulting in management reports about the performance of the company.

Aanvullende informatie onderwijsvormen

Lectures theory, presence not mandatory

Practice sessions with support, presence not mandatory

Toetsvorm

- Written exam – Individual assessment

- Case – Individual assessment

Literatuur

- Books and papers (published on Canvas)
- VU-Syllabus (published on Canvas)

Further details will be announced on Canvas.

Overige informatie

For registration of the final grade of ERPS it is necessary that you sign up always for the exam, also in case you will not participate with the theoretical exam.

Aanbevolen voorkennis

Basic knowledge bookkeeping (basiskennis boekhouden)

Ethics

Vakcode	E_EOR2_ETH
Studiepunten	6.00
Periode	P4+5
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. G. Greco
Examinator	dr. G. Greco
Betrokken Docenten	A. Tzimoulis, prof. dr. A. Palmigiano, prof. dr. R.H. Oostendorp, K.B. Manoorkar, A. De Domenico, M. Panettiere, dr. G. Greco
Onderwijsvormen	Hoorcollege, Werkgroep

Doel vak

This course discusses the ethical aspects of decision-making in business, both within organizations and in a broader societal context (Academic and Research Skills). During this course, you will ask yourself ethical questions concerning society, the role of business in society (Broadening your Horizon) and your own role in society (Social skills and Self awareness). We will stimulate you to do this by offering you introductions to great philosophers on the foundations of society and business (Bridging theory and practice - knowledge), and during the tutorials you will apply these insights to business decision-making situations (Bridging Theory and Practice - application).

After successfully completing the Ethics course you will have gained an accurate understanding of the major philosophical and ethical ideas, and will be able to apply these ideas in the context of society and business.

In particular, you will be able to:

Academic and Research Skills

- A1. Read philosophical and ethical literature (on an entry-level) as part of literature research;
- A2. Critically and emphatically analyse relevant societal and business issues by using philosophical and ethical theories (on an entry level);
- A3. Give an account of your analysis in both written and oral form.

Bridging Theory and Practice

- B1. Reach an accurate understanding of the major philosophical ideas in ethics;
- B2. Apply ethical ideas in the business context and conduct an academic conversation focusing on philosophical and moral arguments;
- B3. Translate the conversation to concrete (policy) proposals and make the theoretical finding comprehensible to a wide audience;
- B4. Give an account of your analysis in written form.

Social Skills

- C1. Argue and express yourself with regard to business and society issues by using these philosophical and ethical ideas in an oral conversation and during a presentation;
- C2. Plan and coordinate your work in a team towards a common goal.

Broadening your Horizons

- D1. Recognize the philosophical and moral issues that are inherent to human life, to the business context, and to the study of society and business;
- D2. Recognize the values underlying different positions and different goals and agendas at all levels: the individual, the business and the societal.

Self-awareness

- E1. Critically assess your own commitments, values and norms;
- E2. Critically assess your possible future role within an organization and/or business professional.

Inhoud vak

The course offers concepts and ethical theories to help you to understand, analyse and form a well-thought-through opinion on ethical dilemmas arising in business decision-making situations, both within organizations and in a broader societal context.

During the lectures the following topics will be discussed:

- Moral and philosophical fundamentals of a (good) society;
- Moral and philosophical fundamentals of the economy;
- Moral and philosophical fundamentals of organising and organisations;
- Moral and philosophical fundamentals for a better business world.

During the tutorials (WC) you will apply the ethical theories to analyse and assess an ethical dilemma you have pre-selected with your tutorial lecturer.

Aanvullende informatie onderwijsvormen

- Pre-recorded knowledge clips and Videos (available on Canvas);
- Lectures plus Question and answer sessions (HC);
- Tutorials (WC).

Toetsvorm

- Written essay about the work throughout the tutorials: Group assessment (E1, E2, D1, D2, B4, A1, A2, A3);
- Final written Exam: Individual assessment (D1, D2, B1, A1);
- Team presentation, debate structuring and moderation: Individual assessment (D1, D2, C1, C2, B1, B2, B3, A1, A2, A3).

Vereiste voorkennis

No entry requirements.

Literatuur

- Sandel, M. (2010), Justice: What's the Right Thing to Do? New York: Farrar, Straus and Giroux. ISBN 9780374532505.
- Additional readings are available on Canvas.

Aanvullende informatie doelgroep

Students EOR year 2 and students EDS year 2.

Aanbevolen voorkennis

No recommended background.

Ethics

Vakcode	W_BA_ETEN
Studiepunten	6.00
Periode	P2
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. L. Bastian
Examinator	dr. L. Bastian
Betrokken Docenten	dr. L. Bastian
Onderwijsvormen	Lecture, Seminar

Doel vak

Students can:

1. Remember and explain the most influential theories within the field of normative ethics, including utilitarianism, deontology, and virtue ethics
2. Remember and explain the most influential theories within the field of meta-ethics, including relativism, moral realism, skepticism and theories of moral responsibility
3. Analyse and evaluate the relative advantages and disadvantages of these theories
4. Apply these theories in normative ethics to analyze contemporary moral problems
5. Compose a case study based on this analysis

Inhoud vak

Ethics is a branch of philosophy that focuses on questions, such as

- “In virtue of what are actions right or wrong (morally obligatory, morally permissible, or morally impermissible)?”
- “What makes a certain state of affairs good or bad?”
- “What constitutes a good life?”

In this course, we will critically explore different theories that have been developed which offer answers to these questions. Along the way spend

time examining how these ethical theories apply to contemporary moral issues. We also discuss several epistemic, metaphysical and semantic questions, such as whether we can know moral claims, whether they are objectively rather than relatively true, and what their semantic features are.

Aanvullende informatie onderwijsvormen

The course is six weeks long, with 2 lectures per week, and one workgroup every two week.

Toetsvorm

The final grade for 'Ethics' is determined by a weighted average of the following components:

- Reading assignments: 10% (assessment of learning objective 3)
- Case-study (group assignment): 30% (assessment of learning objectives 4 & 5)
- Final exam (knowledge questions and short essay questions): 60% (assessment of learning objectives 1-3)

In order to pass the course, a passing grade needs to be achieved in both the case-study and the final exam.

Aanvullende informatie doelgroep

BA1-students Philosophy; students in the Minor Philosophy.

Toelichting Canvas

Students must check Canvas regularly: all updates, changes and recent information will be communicated there.

EU Governance in an International Context

Vakcode	S_EUGIC
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. O. Terzi MSc
Examinator	dr. O. Terzi MSc
Betrokken Docenten	dr. O. Terzi MSc
Onderwijsvormen	Lecture

Doel vak

Learning outcomes:

Knowledge and understanding – The student has acquired knowledge and understanding of:

(1) the history of European integration and the main theories trying to understand and explain the process of European unification;

(2) the institutional structure of and politics within European Union and how it interacts with member states;

(3) key aspects of EU policy making in the internal and external arena.

Skills – The student is able to:

(4) recognise the key historical milestones of European integration and the current challenges the EU faces currently when it comes to its institutional and political make-up;

(5) apply a variety of theoretical approaches to understand and explain past and current developments.

Attitude – The student displays:

(6) critical reflection upon the European integration process, the EU's institutions and policies as well as the way democracy functions at the EU level.

Inhoud vak

This course familiarizes students to the way the EU operates, its institutional architecture, its history, and its modes of decision-making. The course highlights how EU decision-making affects domestic politics, whilst at the same time is situated in a broader, international context. It will introduce students to the key theoretical debates about the European integration process (neo-functionalism, liberal intergovernmentalism, etc.), and it will pay special attention to the main characteristics of EU decision-making.

The theoretical and practical insights will then be applied in a number of selected policy domains involve both policy making within the EU (e.g. monetary integration, regulation of the single market, making of common foreign and security policy) and outside the EU, that is to say the EU's engagement in the global realm (e.g. enlargement, trade, security).

Aanvullende informatie onderwijsvormen

Lectures.

Toetsvorm

Final exam.

Literatuur

Cini M. & Perez-Solorzano Borrigan, N. (2022). *European Union Politics*, Oxford: Oxford University Press.

Additional articles to be announced in the course manual (see CANVAS).

Aanvullende informatie doelgroep

Second-year Bachelor students in Political Science (all tracks and/or specializations)

Second-year Bachelor students in Bestuurs- en Organisationswetenschappen, specialization Besturen

European Cultural History

Vakcode	L_GABAMKD103
Studiepunten	6.00
Periode	P1
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. J.O.W. Singerton
Examinator	dr. J.O.W. Singerton
Betrokken Docenten	dr. J.O.W. Singerton, dr. P.H. Moser
Onderwijsvormen	Lecture, Seminar

Doel vak

This course aims to provide MKDA students a framework for better understanding developments in European cultural history. At the end of this course, students are expected to:

1. have basic knowledge of European history from Antiquity to the present;
2. have a level of knowledge of and insight into historical developments and current contexts pertaining to visual and material culture of the Western culture area (from the past and up to today's globalizing world)
3. have a level of knowledge of historical periodization, needed to situate European cultural and political developments in their context of emergence.

Inhoud vak

The long distance covered by humanity has resulted in the world we are in today. Throughout the past, people and movements have worked towards offering the world a different face. Without close study of that past, much of the present world cannot be understood. This course presents a concise overview of the major episodes in European cultural history, from classical Antiquity and the Middle Ages to early modern, modern and contemporary history, thereby highlighting the links with art and culture.

Aanvullende informatie onderwijsvormen

The lectures of this course are offered in English. Students following the Dutch (i.e. bilingual) track may in some cases submit their written assignments in either English or Dutch. Exceptions are multiple-choice tests, assignments with peer reviewers across language tracks, and group assignments (across language tracks).

Toetsvorm

Written exam (70%), assignments (30%).

Connection between learning objectives and assessment:
All three learning objectives will be assessed in both the exam and the assignments

Literatuur

Will be announced in the syllabus/Canvas.

Aanvullende informatie doelgroep

This course is compulsory for all BA MKDA students in their first year.

It is not open as an elective.

Overige informatie

For attendance rules, see Teaching and Examination Regulations. Students should be aware that regular attendance is necessary to pass the course.

Evolutionary Psychology

Vakcode	P_BEVOLPS
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	prof. dr. M. van Vugt

Examinator	prof. dr. M. van Vugt
Betrokken Docenten	prof. dr. M. van Vugt, S.E. Hudspith
Onderwijsvormen	Hoorcollege

Doel vak

De cursus zal studenten kennis laten maken met - en hen vertrouwd maken - met de belangrijkste theorieën, concepten en onderzoeksresultaten in de opkomende wetenschappelijke discipline van de evolutionaire psychologie. Het hoofddoel van de cursus is om studenten inzicht te geven in waarom mensen zich gedragen zoals ze doen door ze te bekijken door een evolutionaire lens (zoals een bioloog naar een bepaalde diersoort zou kijken). Centraal in deze cursus staat de vraag of bepaalde menselijke eigenschappen, eigenschappen en gedragingen het product zijn van geëvolueerde psychologische mechanismen die onze voorouders in staat stelden om verschillende problemen met betrekking tot hun overleving en voortplanting op te lossen. Voorbeelden zijn psychologische aanpassingen voor het vinden van een partner, voor (groot)ouderschap, altruïsme, agressie, werken, leiden, status en zelfverdediging.

Tijdens de cursus krijg je inzicht in enkele basisvragen over de menselijke natuur:

-Waar evolueerde de mens?

-Wat vertellen genen over ons gedrag?

-Wat verklaart onze relatief grote hersenomvang?

-Hoe verschillen mannen en vrouwen in hun seksuele strategieën?

-Waarom geven we de voorkeur aan bepaalde voedingsmiddelen boven andere?

-Wat is de evolutionaire logica achter oorlogsvoering?

-Is religie een aanpassing of bijproduct?

-Hoe werkt culturele evolutie?

-Waarom praten, zingen, dansen, spelen en kijken we naar sport?

Inhoud vak

Deze cursus traint studenten in het verklaren van menselijke psychologie en gedrag vanuit een evolutionair perspectief door gebruik te maken van inzichten uit de evolutionaire psychologie, biologie en antropologie. Tijdens de cursus zullen we evolutionaire psychologie gebruiken om onderwerpen als menselijke seksualiteit, agressie, samenwerking, ouderschap, religie en cultuur (onder andere) te begrijpen. De cursus bestaat uit frontale hoorcolleges, opdrachten en een eindexamen.

Aanvullende informatie onderwijsvormen

Colleges en essay-opdrachten

Taetsvorm

Inhoud

multiple choice examen en twee essay-opdrachten

Vereiste voorkennis

Nee

Literatuur

Buss, D. M. (2019). Evolutionary Psychology: The New Science of the Mind (sixth edition). Routledge. Plus relevant scientific articles as conveyed by the teacher through Canvas.

Aanvullende informatie doelgroep

VU students

Overige informatie

50 studenten max van VU minor Psychology and Brain

Afwijkende intekenprocedure

NA

Toelichting Canvas

Op Canvas (vanaf Augustus)

Aanbevolen voorkennis

Basiskennis psychologie en kennis van statistiek en methoden in psychologisch onderzoek is aanbevolen

Fair, Transparent and Interpretable Machine Learning

Vakcode	E_EOR3_FML
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. J. Schaumburg
Examinator	prof. dr. J. Schaumburg
Betrokken Docenten	prof. dr. D. Wozabal, prof. dr. J. Schaumburg, S.H. Kooiker
Onderwijsvormen	Study Group, Lecture

Doel vak

Students know about, and are able to apply basic statistical concepts of fairness in algorithmic decision making. They also understand the challenges and limitations of these concepts in real-world settings. Furthermore, students know and are able to apply different approaches to interpret the model outcomes of supervised machine learning methods, including both intrinsically interpretable models and model-agnostic methods.

Inhoud vak

Machine learning algorithms are increasingly used to make or improve predictions, which then serve as a basis for decision making. Examples include bank lending, college admissions, and bail decisions in criminal proceedings.

Though the use of algorithmic decision making is often justified as being "more objective" than human decision making, there are many instances demonstrating that it can produce biased or discriminatory predictions or decisions that unfairly disadvantage certain individuals or groups. Awareness of this issue and knowledge about approaches to address it are of high importance for data scientists and policy makers.

Another highly relevant aspect for decision making based on data is the interpretability of the estimation outcomes and decisions obtained using a machine learning method. One possibility is to restrict the class of applied algorithms to interpretable models (e.g. decision trees, linear regression, logistic regression). However, "black-box" methods (e.g. random forests, deep neural networks) have proven to be highly effective in many more complex settings, while not providing a means to understand the sources of a particular prediction or decision. Model-agnostic methods such as partial dependence plots, Local Surrogate models (LIME), and Shapley Values are important concepts enhancing interpretability and allowing for comparisons of any set of machine learning outcomes.

This course is divided into two parts. The first part of the course (weeks 1-3) addresses the topic of interpretability in supervised machine learning settings. We will study local and global methods to interpret the outcomes of black-box models and apply them to a range of real-world examples. The second part (weeks 4-6) is concerned with fairness in machine learning. We will introduce formal definitions of fairness, analyze real-world data sets, and discuss what algorithmic decision making can and cannot achieve.

Aanvullende informatie onderwijsvormen

4 hours per week of lectures, 2 hours per week of tutorials.

Toetsvorm

Written exam, group assignment.

Vereiste voorkennis

Knowledge of machine learning methods, programming knowledge in Python.

Literatuur

Selected scientific papers and book chapters.

Toelichting Canvas

All course materials and additional information will be disseminated via Canvas.

Finance I

Vakcode	E_EBE1_FIN1
Studiepunten	6.00
Periode	P5
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. M.B.J. Schauten
Examinator	dr. M.B.J. Schauten
Betrokken Docenten	dr. M.B.J. Schauten
Onderwijsvormen	Study Group, Lecture, Written partial exam

Doel vak

After successfully completing this course you are able to examine and understand the capital budgeting problem, the asset pricing problem and the investment problem from the perspective of an investor in real assets and from the perspective of an investor in financial assets. More specifically, you are able to:

- explain and apply basic concepts in financial economics (Bridging Theory and Practice - knowledge);
- analyse a real project from the perspective of financial economics (Bridging Theory and Practice - knowledge);
- determine the value of financial assets such as shares and bonds (Bridging Theory and Practice - knowledge);
- combine individual financial assets into a portfolio of financial assets and select an optimal portfolio given an investor's utility function (Bridging Theory and

Practice - knowledge);

- determine the cost of capital of a project and of a firm (Bridging Theory and Practice - knowledge);

- apply theoretical knowledge into practice (Bridging Theory and Practice - application).

Inhoud vak

In this course we discuss three main issues in finance: capital budgeting, asset pricing and financial investments. The capital budgeting decision involves how firms select projects that create value. The theoretically optimal decision rule—the net present value method—is discussed, also in relation to other selection criteria that are applied in practice. The asset pricing part concerns the way financial assets are priced by the market. The focus is on the pricing of shares issued by firms and bonds issued by firms and governments. Questions raised are: How are the term structure of interest rates and promised coupon payments related to bond prices? What is the influence of the expected stream of dividends and the level of market risk of firm's projects on the price of shares? The financial investment decision is approached from a portfolio perspective and ends with a discussion of the Capital Asset Pricing Model (CAPM).

Aanvullende informatie onderwijsvormen

Lectures and Tutorials

Toetsvorm

Written exam – Individual assessment
(Interim) Assignment(s) – Individual assessment

Literatuur

- J. Berk and P. DeMarzo, Corporate Finance, Pearson, latest Global Edition.
- Finance, Text- and Workbook, latest edition.
- Additional material will be announced on Canvas.

Aanbevolen voorkennis

Quantitative Research Methods I or equivalent

Finance II

Vakcode	E_EBE2_FINA2
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. M.A. Dijkstra
Examinator	dr. M.A. Dijkstra
Betrokken Docenten	dr. M.A. Dijkstra
Onderwijsvormen	Study Group, Lecture

Doel vak

In this course you will learn about financial risk, asset pricing and risk management.

- In the first part of the course, the central concept is the relationship between risk and return of financial assets. The goal is to gain insights into the risks associated with financial portfolios and investments and to be able to calculate/estimate such risks. Furthermore, another goal is to learn how to benefit from diversification possibilities. Finally, you will also learn how to compute expected returns on investments and the cost of capital on the basis of the Capital Asset Pricing Model and multifactor models. (Academic and Research Skills, Bridging Theory and Practice - Application)

- In the second part of the course, the goal is to gain deeper insight into risk management by analyzing Value-at-Risk, duration-based strategies and risk management based off derivatives such as futures and forwards. (Academic and Research Skills, Bridging Theory and Practice - Application). By accomplishing these learning goals, you will gain new academic and research skills and develop your professional knowledge in the area of financial risk and risk management.
- You will apply these theoretical concepts into practice by focusing on the creation of portfolios and investments using real-world data. (Bridging theory and practice - Application)

Inhoud vak

Central topics that will be discussed are:

- trade-off between risk and return;
- estimation of average return and volatility;
- concepts of covariance and correlation and their estimation;
- risk and return of portfolios;
- diversification;
- concept of efficient portfolios;
- CAPM and multifactor models;
- Cost of capital
- Value-at-Risk
- characteristics and pricing of futures and forwards;
- use of forwards and futures in risk hedging;
- principle of no arbitrage;
- interest rate risk
- duration

Aanvullende informatie onderwijsvormen

Knowledge clips, lectures, tutorials and Q&A-sessions.

Toetsvorm

Written exam, data-based assignment, and weekly Canvas quizzes.

Vereiste voorkennis

The course builds on concepts discussed in Finance I and uses methods that students have learned in Business Research Methods courses.

Literatuur

J. Berk and P. DeMarzo, Corporate Finance, Pearson, 6th Global Edition.

Lecture and tutorial materials (slides, papers)

Toelichting Canvas

There will be weekly quizzes on Canvas that are relevant to the final grade.

Aanbevolen voorkennis

The course builds on concepts discussed in Finance I and uses methods that students have learned in Business Research Methods courses.

Financial Accounting

Vakcode	E_EBE2_FAC
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. M. Zhu
Examinator	dr. M. Zhu
Betrokken Docenten	dr. M. Zhu
Onderwijsvormen	Lecture, Seminar, Written partial exam

Doel vak

This course is the third course in the accounting learning line in the bachelor programmes Economics and Business Economics; Business Administration and International Business Administration. In this course we focus on external financial reporting, in particular by business enterprises. You learn about key issues in financial reporting from the perspective of the reporting company, about the regulatory framework of financial reporting (Bridging theory and Practice - Knowledge). You learn to apply your knowledge to specific issues derived from reporting practice (Bridging Theory and Practice - Application). In doing so, you practice skills such as abstraction and reasoning (Academic and Research Skills).

After following this course you can:

- describe and explain the typical features of the regulatory framework of financial reporting in developed economies;
- describe common accounting practices for a selection of common transactions and events (e.g. income tax, currency translation, intangible assets, investments in subsidiaries) discussed in this course;
- for the selected transactions and events: solve a given issue in the form of a motivated choice for a specific accounting treatment, journals entries and/or completed financial statements (balance sheet, income statement, cash flow statement);
- recognize and explain in a given fragment from published financial statements how an item or transaction has been accounted for, or explain the reporting about such accounting in a news media item;
- use and interpret selected regulatory texts to answer questions about mandatory or optional accounting and reporting practices.

Inhoud vak

External financial reporting in the form of annual or quarterly financial statements is the basis of communication between a company and financial stakeholders such as shareholders and other investors. Numbers from the financial statements such as profit, cash flow and sales revenue play an important role in financial markets. However, they also have legal significance, and are important in corporate governance. For larger enterprises, preparing financial statements is a complex process.

This is not just because it is a challenge to properly represent the performance and economic position of complex businesses, but also because there are significant interests at stake. Financial reporting can go spectacularly wrong, as evidenced by major accounting scandals that happen from time to time. For that reason, an elaborate institutional framework of regulations and standards, audit, supervision and enforcement has been built up around the practice of financial reporting. This framework consists both of national elements (such as company law) and international elements (such as International Financial Reporting Standards).

In this course, you do not just develop your technical 'how' skills (e.g. preparing consolidated financial statements, or working out the effects of currency translation on reported numbers) but you also train yourself to ask the 'why' question. Why does it matter to this company to account for this transaction in this way? Is there a rule that must be followed? Or does it have a choice? Who decides? Why is the rule the way it is? Could it be improved?

Not everybody finds it easy to switch between accounting technique and the wider context of standards,

governance and economic interests in which this technique is applied, but it is an essential skill for everybody who works in a professional way with financial reporting, whether as controller, auditor, financial analyst, manager, investor, or supervisor. The fact that accounting always plays out in this wider context is what makes financial reporting a fascinating discipline with a unique character.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

Written exam (individual assessment), optional interim exam (individual assessment)

Literatuur

Textbook: Aerts, W. and P. Walton (2020). Global Financial Accounting and Reporting, Fifth Edition, Cengage Learning.

Selected regulatory texts (public domain or accessible through ub.vu.nl).

Overige informatie

Prior knowledge of the contents of this course is assumed in the course Advanced Financial Reporting in the Master Accounting and Control.

Aanbevolen voorkennis

Accounting I and Accounting II (EBE and BK)
Accounting and Accounting in Multinational Enterprises (IBA)

Financial Econometrics

Vakcode	E_EOR3_FTR
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. P. Gorgi
Examinator	dr. P. Gorgi
Betrokken Docenten	dr. P. Gorgi
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

This course introduces students to econometric methods in financial econometrics.

By the end of this course, participants will:

- know how to design, code, estimate and analyze time-varying parameter models used in Finance;
- understand the interplay between econometric techniques and modeling assumptions;
- have used computational methods to solve econometric exercises;
- have gained experience in working with real data.

Participation in this course is a worthwhile preparation for the master courses in the MSc Econometrics program. The econometric techniques discussed will also be beneficial to everyone planning to write a Bachelor's thesis in Financial Econometrics.

Inhoud vak

This course covers both theoretical and practical aspects of modern econometric models that are used for measuring financial risk, volatility forecasting and portfolio optimization.

The students are introduced to financial econometrics models that feature nonlinearities, time-varying parameters and latent variables. In particular, the students learn how to design, implement, estimate and analyze both observation-driven and parameter-driven models.

Aanvullende informatie onderwijsvormen

Lectures (3 hrs per week) and tutorials (1.5 hrs per week).

Toetsvorm

Exam and group assignment.

Vereiste voorkennis

None

Literatuur

Lecture notes and other material provided by teacher.

Other reading material:

- Francq and Zakoian, 2011, GARCH Models: Structure, Statistical Inference and Financial Applications. John Wiley & Sons.
- Tsay, 2010, Analysis of Financial Time Series. John Wiley & Sons.
- Gouriéroux and Monfort, 1996, Simulation-Based Econometric Methods. Oxford University Press.

Aanvullende informatie doelgroep

This course is targeted at both econometrics and non-econometrics students that have an understanding of basic probability theory, statistics, linear regression models, and time-series analysis.

Aanbevolen voorkennis

This course builds on introductory time-series concepts. Attending courses such as "Introduction to Time-Series" in the minor of Applied Econometrics, or the third-year Bachelor course "Econometrics III", is not required, but certainly provides an adequate background knowledge.

Financial Management in Health Care Organizations

Vakcode	E_MFHC_FMICO
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. Y.J.F.M. Krabbe-Alkemade
Examinator	dr. Y.J.F.M. Krabbe-Alkemade
Betrokken Docenten	dr. Y.J.F.M. Krabbe-Alkemade, drs. F. Amankour
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

In Nederland bedroegen de uitgaven voor gezondheidszorg in 2021 11,2 procent van het bruto binnenlands product (bbp) (StatLine CBS, 2021). Deze uitgaven zullen naar verwachting blijven stijgen vanwege factoren zoals de vergrijzende bevolking, de beschikbaarheid van kostbare innovaties en een groeiend tekort aan professionals, naast veranderende behoeften van patiënten. Als reactie hierop zoekt de overheid naar maatregelen om deze opwaartse trend te beheersen, terwijl zorginstellingen zich inspinnen om efficiënt te opereren binnen hun financiële mogelijkheden en streven naar prestatieverbetering. Een financieel gezonde zorginstelling is essentieel voor het leveren van kwalitatieve zorg. Daarom is het cruciaal dat financiële managers goed op de hoogte zijn van

de dynamiek van de zorgsector, zodat zij de benodigde interne controle kunnen uitvoeren op basis van managementinformatie. Het vak Financieel Management van zorginstellingen, dat zowel als opzichzelfstaand vak of als onderdeel van de minor Health Care Management kan worden gevolgd, biedt de benodigde tools en kennis voor effectief financieel beheer binnen de organisatie.

Aan het einde van deze cursus beschik je over kennis en competenties op het gebied van financieel management in de gezondheidszorg

- Je hebt kennis over de organisatie en besturing (management control) van zorginstellingen (Bridging theory and knowledge) en kunt deze kennis toepassen in een gezondheidszorgcontext (Evaluate).
- Je hebt kennis van de verschillende kostensoorten en van kostprijzen (Bridging theory and knowledge), en kunt dit toepassen en analyseren binnen de gezondheidszorg (Evaluate).
- Je hebt kennis over de bekostiging in de gezondheidszorg (Bridging theory and knowledge).
- Je hebt kennis over methoden om investeringsvoorstellen te evalueren (Bridging theory and knowledge) en kunt deze kennis toepassen binnen de gezondheidszorg (Evaluate).
- Je hebt kennis over financiering en kunt deze kennis toepassen (Bridging theory and knowledge) binnen de gezondheidszorg (Evaluate).
- Je hebt kennis over financiële overzichten van zorginstellingen (Bridging theory and knowledge) en kunt de financiële positie en prestaties van zorginstellingen beoordelen (Evaluate).

Tijdens dit vak zul je ook je sociale vaardigheden verder ontwikkelen door te werken aan een casus in een multidisciplinair team en door een presentatie te geven die je samen met je team voorbereidt. (professional and social skills).

Inhoud vak

Het vak financieel management van zorginstellingen is relevant voor SBE-studenten die hun financiële kennis en vaardigheden willen toepassen in de gezondheidszorg. De cursus biedt ook geneeskundestudenten, studenten gezondheidswetenschappen, gezondheid en leven, studenten sociale wetenschappen en andere studenten relevante kennis en competenties op het gebied van financieel management om in een zorginstelling te gaan werken. Meer specifiek richt deze cursus zich op het gebruik van managementinformatie, planning & control systemen en financiële boekhoudkundige informatie om weloverwogen beslissingen te kunnen nemen.

Aanvullende informatie onderwijsvormen

Hoorcolleges Werkgroepen Tutorials

Toetsvorm

Multiple choice tentamen - individuele beoordeling

Multidisciplinaire casus - groepsbeoordeling

Verplichte aanwezigheid bij werkcolleges en tutorials

Vereiste voorkennis

Geen.

Literatuur

Zelman W.N., McCue M.J., Glick N.D., Thomas M.S.

Financial Management of Health Care Organizations:

An Introduction to Fundamental Tools, Concepts and Applications,

5th Edition. John Wiley & Sons

ISBN: 978-1-119-55384-7

Verplicht studiemateriaal: artikelen (beschikbaar op Canvas)

Aanvullende informatie doelgroep

Dit vak wordt gegeven in het Nederlands.

Aanbevolen voorkennis

Geen.

Foundations and Forms of Entrepreneurship

Vakcode	E_MFEN_FFE
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. F. Bacco
Examinator	dr. F. Bacco
Betrokken Docenten	dr. F. Bacco, M.M. Akhbulatova, drs. E.A.H. Kleijn
Onderwijsvormen	Seminar, Lecture

Doel vak

- **Academic and research skills:** Students are able to assess and conduct a feasibility study of a new business idea that validates the proposed customer needs and market potential by systematically collecting, analyzing, and reporting relevant data.
- **Bridging theory and practice:** Students understand the core theories and concepts in the field of entrepreneurship, as reflected by their ability to analyze, compare, and apply these theories and concepts to analyze and solve the key management challenges faced by real-world entrepreneurs.
- **Social skills:** Students are able to effectively pitch a new business idea to others, and can present the results of their feasibility studies to a group of peers in a professional, engaging manner.

Inhoud vak

Entrepreneurship is the process in which individuals identify and exploit business opportunities. Although entrepreneurship is commonly associated with creating new businesses, it also captures a distinct mindset that is valuable across a wide range of contexts (including established firms and other types of organizations). Whether you want to start a new venture, work for an entrepreneur, fund other entrepreneurs, or simply want to be more entrepreneurial in your own career, Foundations and Forms of Entrepreneurship will help you familiarize yourself with key concepts and tools that

support the process of new business creation and growth. As an introductory course for students who want to learn about entrepreneurship, its role and importance in our society, and the process by which entrepreneurs transform new ideas into successful business ventures, Foundations and Forms of Entrepreneurship is concerned with topics that relate to ideating, developing, and managing successful new businesses. In this course, students learn to understand and apply fundamental theories from economics, sociology, and psychology to study key topics in entrepreneurship. While most of the examples in class will be drawn from new venture formation, the principles also apply to entrepreneurship in corporate settings and to non-profit entrepreneurship. To facilitate learning and practical application of theories and principles explained during class, the course includes a variety of teaching formats and materials, such as case studies, interactive assignments, and group work.

Aanvullende informatie onderwijsvormen

The course lasts 6 weeks. Every week includes one (weeks 1 and 6) or two lectures (weeks 2 to 5) and one tutorial per student. This course will earn you 6.00 credits, corresponding to 168 study load hours (a credit represents 28).

Toetsvorm

Group Assignments and a written exam.

Literatuur

The mandatory study materials include a textbook, a few scientific articles, several case studies, and PowerPoint slides.

Overige informatie

This course is the first course of the SBE Minor in Entrepreneurship.

Foundations of Business Administration

Vakcode	E_MUB_FBA
Studiepunten	6.00
Periode	P1
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. V. Duplat
Examinator	dr. V. Duplat
Betrokken Docenten	dr. V. Duplat
Onderwijsvormen	Study Group, Lecture

Doel vak

Students learn to apprehend real-world business situations by applying specific theoretical perspectives or using related analytic tools.

In particular, after following the course students:

- Have an advanced understanding of the traditional and emerging theoretical frameworks and concepts developed for studying organizations (foundational knowledge),
- Are able to adopt theoretical frameworks and apply tools to real-world situations and organizations (application),
- Are able to report, expose and defend their analyses and business recommendations, both verbally (report) and orally (presentation) (critical, creative and practical thinking), and
- Are able to work in small teams and properly allocate tasks among team members under time pressure (Consulting project).

Therefore, besides the content-centered objectives and goals, the course has for objectives to impact students' critical thinking, creativity in their problem solving approach. Critical thinking in which students analyze and evaluate; creative thinking in which students imagine and create; practical thinking in which students solve problems and make decisions. By the end of the course, students have had the opportunity to approach business situations or contexts they are familiar with by using concepts and frameworks aimed at understanding those situations and contexts and innovating them.

Inhoud vak

New approaches to business and management constantly emerge. The course on the Foundations of Business Administration provides insights on traditional and new business approaches, while adopting an even-handed appreciation for theory and practice. The course familiarizes the students with the three main theoretical perspectives on organizations - Modern, Symbolic and Post-modern perspectives - and presents analytical tools rooted in those perspectives. It puts the students in a situation where those tools must be used for providing ideas to be explored by a

real-world firm.

These lectures are organized in five parts: (1) introduction of the three perspectives and their assumptions over time; (2) interdependency between organizations and their environment; (3) organizational social structure and organizational culture; (4) technology and physical structure of organizations; and (5) organizational power, control

and conflict. Throughout the lectures, each perspective, concept and analytical tool is presented by referring to real-world and current business situations.

Aanvullende informatie onderwijsvormen

The course combines lectures and tutorials. The tutorials involve groups of 30 to 35 students. These latter tutorials combine case studies, round-table discussions about recent academic, business and press articles, role-games and making videos. A key objective is for you to develop your own personal synthesis and approach for identifying and addressing problems that managers face in organizations. Needless to say, preparing before attending classes gives you the best way to practice in lieu of actually designing and managing organizations. Throughout the tutorials, students will apply the theoretical frameworks and analytical tools introduced in the lectures to real-world organizations and situations. Attendance to both lectures and tutorials is highly recommended to pass the course!

Toetsvorm

- Two group assignments under the form of a Consulting project (oral presentation, video-making, interviews and written reports) (team assessment)
- Individual quizzes or mini-essays on a weekly basis (individual assessment)
- Final written exam (individual assessment).

Vereiste voorkennis

NA

Literatuur

- Murphy, Willmott and Daft (2020, 4th edition) "Organization theory and design: an international perspective" is used as a main reference.
- Selection of business and managerial articles that will be posted on Canvas.

Overige informatie

Taking the other P1 course in the minor is strongly recommended!

Aanbevolen voorkennis

P1 course "Business Professionals"

Foundations of Strategic Management

Vakcode	E_IBK3_FSM
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. B.V. Tjemkes
Examinator	prof. dr. B.V. Tjemkes
Betrokken Docenten	prof. dr. B.V. Tjemkes
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

At the end of the course, students should be able to:

Academic & Research skills

- Design, conduct, and report on a small-scale field study of strategic professionals
- Explain theoretical models and concepts in the field of strategic management, particularly with regard how the field developed over time

Bridging theory and practice

- Examine and understand strategic management challenges and issues from different perspectives as well as explain theoretical models and concepts in the field of strategic management
- Being able to recognize fundamental structures and to leave out irrelevant information
- Put forward well-founded, substantiated points of view, both in spoken and written format
- Apply theoretical knowledge about various strategic management theories in the context of strategic decision-makers

Broadening your horizon

- Think beyond contemporary and dominant strategic management perspective and engage on societally relevant issues

Self awareness

- Take responsibility for individual learning
- Can reflect on his/her personal development

Inhoud vak

The course aims to familiarize students with a number of classical and influential debates in the strategic management literature. This includes examining some of the “founding fathers” of strategy, such as Sun Tzu, as well as the work of more contemporary management thinkers such as Michael Porter, Henry Mintzberg, and Richard D’Aveni. Students will read both original texts as well as recent studies applying these perspectives, in order to gain a better understanding how classical

debates inform current strategic management research and practice. Particular attention will be given to identifying and assessing different and potentially diverging positions in these central debates in the field. In addition to acquiring knowledge about the development of the scientific field of strategic management, the focus is on conducting a critical application of strategic management literature and on conducting an empirical investigation of strategic management professionals. During the course students are invited and challenged to develop their own opinion and adopt a genuinely scholarly attitude. This

not only contributes to a deeper understanding of central debates in strategic management, but also provides an important basis for a students’ further development in this field.

Aanvullende informatie onderwijsvormen

Lectures

Instruction lectures

Tutorials

Toetsvorm

Written exam - Individual

Participation assignments - Individual and group

Practical assignments - Group

Literatuur

This course is article based.
Readings will be announced in course manual.

Aanbevolen voorkennis

BK:

1.1 Management & Organisatie; 1.3 Academische Vaardigheden; 2.1 Strategie; 2.5 Strategisch Ondernemerschap

IBA:

1.2 Organization Theory; 1.3 Academic Skills; 2.2 International Strategy; 2.4 BRM I - Quantitative

Fundamentals of Time Series Econometrics

Vakcode	E_MFAE_FTSE
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	Q. Wiersma
Examinator	Q. Wiersma
Betrokken Docenten	Q. Wiersma
Onderwijsvormen	Study Group, Computer lab, Lecture

Doel vak

This course introduces students to time series analysis and dynamic econometric models for economics, business and finance.

Inhoud vak

This course covers both theoretical and practical aspects of time series econometrics including the analysis of stationary and non-stationary stochastic processes in economics, business and finance. The students are introduced to well-known univariate time series models, such as autoregressive moving average (ARMA) models and error correction models (ECM), and learn how to judge their appropriateness for modelling real-life data sets. Moreover, the course provides both theoretical and practical insights into parameter estimation for time-series models and the use of these models for tasks that are crucial for many practitioners: e.g., forecasting, testing for Granger causality, and performing policy analysis using impulse response functions. Finally, students become familiar with the fundamental problem of spurious regression in time-series analysis. We find a solution to this problem by taking a journey into the theory and practice behind unit-root tests, cointegration tests and error-correction representation theorems. In this way, students will be able to disentangle possible short-term and long-term dynamics in time series data.

Aanvullende informatie onderwijsvormen

Lectures (4h per week) and tutorials (2h per week). The latter are used to discuss theoretical and practical exercises.

Toetsvorm

Final written exam (85%) and practical assignment (15%)

Literatuur

All relevant material can be found in the lecture notes and slides and other study material provided by the teacher.

Recommended optional reading material:

- J. Stock and M. Watson, 2011, Introduction to Econometrics. Prentice Hall. (all editions)
- P. Brockwell and R. Davis, 2010, Introduction to Time Series and Forecasting. Springer.
- C. Brooks, 2014, Introductory Econometrics for Finance. Cambridge University Press.

Aanvullende informatie doelgroep

The course is part of the **regular track** of the SBE faculty minor "Applied Econometrics: A Big Data Experience for All". It is targeted at students who are currently not enrolled in the Bachelor in Econometrics or a similar study program.

Overige informatie

Participation in this course is a worthwhile preparation for the remaining courses of the Minor "Applied Econometrics: A Big Data Experience for All".

Toelichting Canvas

All materials (slides, theory exercises, practice exams, etc.) are provided on Canvas.

Aanbevolen voorkennis

This course builds on the foundations laid either in the sequence of courses in 'Quantitative Research Methods' (in the Economics programme) or in that of 'Business Statistics' and 'Business Mathematics' (in the Business Administration programme). It assumes familiarity with probability and statistics, such as discrete and continuous random variables, conditional expectations, hypothesis testing and central limit theorems. This material corresponds more or less to Part I (Chapters 1-3) in Stock and Watson (2011), and students are recommended to refresh their memory on this prior to the first lecture (see also Probability and Statistics: A Concise Review at [link](#)).

Global Development and Prosperity

Vakcode	AB_1275
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. M. Schaafsma
Examinator	dr. M. Schaafsma
Betrokken Docenten	dr. M. Schaafsma
Onderwijsvormen	Study Group, Lecture

Doel vak

The aim of the course is to provide students with a profound understanding of how contemporary global challenges are linked to socio-economic systems and how transformations in these systems can deliver just and sustainable prosperity.

By the end of this course, students will be able to:

- Explain existing, dominant measures and visions of development and economics and their positive and negative social and environmental effects, including inequality and climate change;
- Describe alternative measures of prosperity, and discuss their potential for transformations towards sustainable futures;
- Examine alternative visions of prosperity and achieving just and sustainable futures;
- Illustrate transformations towards just and sustainable futures through case study examples.

Inhoud vak

Over the last centuries, humankind has seen tremendous improvements in health, education and income, but at the same time this drive for economic growth and consumerist lifestyles has caused serious and sometimes irreparable damages to global biodiversity, climate systems and habitats, as well as major socio-economic inequalities and injustices.

The course first explores the history of such growth paradigms. Has emphasis on GDP growth equally benefited different world regions and people's quality of life? We will discuss how growth-oriented visions of development have been globalized, and how they relate to current global environmental and social challenges.

This leads us to the question: What does GDP as an indicator tell us? What does it mean to live a good life? How do you measure if someone lives a good life? We review some of the dominant measures of prosperity and the assumptions on which they rest, as well as alternative measures of prosperity, including happiness, quality of life and capabilities. Does it matter which metric we use?

Next, we explore alternative ideas and visions of prosperity for the planet and respond to these global challenges. What would a prosperous society focused on long-term well-being look like, and how do we get there? How can citizens and consumers, farmers, or academics contribute to such a society? We will discuss the underlying assumptions of some of the existing frameworks for sustainable development as well as more radical proposals for transition and transformation towards prosperity. Using case studies of suggested transitions, we will critically evaluate whether such transformations will be sustainable and just, and how different stakeholders react to, and benefit from, these transformations.

Aanvullende informatie onderwijsvormen

The course consists of lectures, guest lectures, and seminars for discussions and group activities. The course runs for 7 weeks during period 2. Each week, there will be a lecture addressing the main material (2 hours), a guest lecture by VU researchers or external speakers illustrating the topic of the week (1 hour), and a seminar to explore the topic further (2 hours).

Some of the seminars will be dedicated to the development of the argument map (see below). This is an opportunity to get feedback on the content and format of the argument map from peers and lecturers. Some lectures will be pre-recorded. Attendance in all live sessions is mandatory, but will be checked irregularly. We assume students are sufficiently serious and will show up at every class, barring unforeseen circumstances. Attending class is likely to increase your grade so attending classes is in your own interest.

The course corresponds to 6 ECTS, equivalent to 168 hours of study time. Students can expect the following:

- Attending/viewing lectures: 35 hours
- Mandatory readings: 45 hours
- Preparing for seminars / group discussions: 38 hours
- Developing argument map: 50 hours
- TOTAL: 168 hours

Toetsvorm

The overall mark for this course is based on two separate grades:

- Argument map, accompanied by an annotated bibliography and 2 peer-reviews (50%)
- Closed-book written exam (50%)

Students who take part in the minor Sustainability, Global Challenges, Interdisciplinary Solutions are recommended to develop their argument map for their topic/case selected in course 1.

Further details on the assignments will be provided in the course manual.

Vereiste voorkennis

Students do not require a specific disciplinary background, but affinity with the natural environment and social-economic development is desirable.

Literatuur

Each week, a selection of articles will be recommended to be studied in advance of the lectures and seminars.

Aanvullende informatie doelgroep

This course is part of the minor "Sustainability: Global Challenges, Interdisciplinary Solutions". We strongly encourage students to take all courses of the minor.

This course is suitable for students with an interest in the link between the natural environment and social-economic development.

This course can also be taken as:

- Extra-curricular course for VU-students
- Extra-curricular course for non-VU-students.

Toelichting Canvas

The course manual, as well as further course materials (e.g. lecture slides, reading materials), and course announcements will be circulated through Canvas.

Aanbevolen voorkennis

We strongly encourage students to take all courses of the minor "Sustainability, Global Challenges, Interdisciplinary Solutions", as a personal "Grand Challenge" comes back in different assignments of the five minor courses. Work in the preceding courses forms relevant input to the assignment of this course.

Global English

Vakcode	L_ETBAETK209
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. L.M. Rupp
Examinator	dr. L.M. Rupp
Betrokken Docenten	dr. L.M. Rupp
Onderwijsvormen	Lecture, Seminar

Doel vak

1. Knowledge

You are able to describe factors in the spread of English in the world and the ways in which varieties of English have evolved world-wide.

You are also able to describe some of the social consequences of Global English (e.g. language loss, social inequality).

2. Skills

Within theories of language variation and change, you are able to analyse some of the major linguistic features of varieties of English around the world.

You are also able to assess social issues in society that involve the English language, such as linguistic discrimination and implemented language policies.

3. Attitude

You are able to present a well-informed perspective of the nature of

different Englishes and the impact of the global spread of English on people in societies around the world.

4. Communication

You are able to report on topics in Global English in short oral presentations and in writing.

5. Competence

You are able to identify people's needs regarding the English language, including your own, and you are able to decide on the best way to act upon it.

Inhoud vak

In the lectures, we will examine the spread of the English language around the world. We will begin with regions in the world where English is spoken as a first language (England, the Celtic countries, the U.S., Australia, etc.). We will then move on to regions where English is spoken as a second language (Africa and Asia), and from there to regions where English is used as a foreign language or a lingua franca (e.g. The Netherlands, Europe, China, and so on).

We will explore different issues in the global spread of English. These include: linguistic issues (variation in English, World Englishes), social issues (language and identity, language and power, language death, linguistic exclusion and discrimination), and literary concerns (the use of English in postcolonial literature).

Some of the lectures are presented by guest lecturers from Scotland, Australia, Uganda and Japan.

In the seminar, we will address questions that have arisen from the lectures or the reading and we will discuss course work.

Aanvullende informatie onderwijsvormen

Lectures (2 hours per week) and seminars (2 hours per week)

Toetsvorm

Exam (100%, individual grade).

To successfully complete the course, you must obtain a grade of $\geq 5,5$ for the exam and have submitted mandatory course work.

There is an attendance requirement of 80% for both the lectures and the seminars.

Vereiste voorkennis

Students must have passed Academic English CIS-L&S Grammar (L_EABAALG103) and Academic English CIS-L&S Writing (L_EABAALG104) and they must have participated in English: International Communication (L_ETBACIW102).

Exchange students should have taken equivalent courses.

Students in the Minor 'English' are exempted from these entry requirements. They need to contact the Onderwijsbureau of the Faculty of Humanities (FGW) to register for the course (onderwijsbureau.fgw@vu.nl).

Literatuur

Schneider, E.W. 2020. English Around The World. Cambridge: Cambridge University Press. Second edition.
Other literature and materials will be made available in Canvas.

Aanvullende informatie doelgroep

CIS students, Literature & Society students, students in the Minor 'English', History students, premaster- and exchange students.

Afwijkende intekenprocedure

This course has seminars, but you cannot self-register for a seminar in VU-net. If you want to know the days/times at which the seminars have been scheduled, go to rooster.vu.nl; click the 'Options' button at the right-hand side of the course title and select 'Choose groups'.

A couple of weeks before the start of the course, your course coordinator will invite you to sign up for a seminar via Canvas.

Global Political Economy

Vakcode	S_GPE
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	prof. dr. E.B. van Apeldoorn
Examinator	prof. dr. E.B. van Apeldoorn
Betrokken Docenten	prof. dr. E.B. van Apeldoorn, I.T. Liu
Onderwijsvormen	Lecture

Doel vak

Learning outcomes:

Knowledge and understanding – The student has acquired knowledge and understanding of:

(1) the contemporary global political economy, in particular how the contradictory process of globalization reshapes the relationship between states and markets;

(2) rival concepts and theories within International Political Economy and their application to issues in contemporary global political economy.

Inhoud vak

This course offers students an introduction to the subject of International Political Economy (IPE). Throughout, the course will be guided by the question to which extent, and how, the current process of globalization is changing the relationship between states and markets, between public regulation and the private economy, between state and capital. Traditionally IPE studies the relationship between 'the economic' and 'political' within the interaction of – patterns of co- operation and conflict between – national states. If anything, the global financial and economic crisis

of 2008 and beyond has made clear that this state-centric perspective is no longer adequate.

At the same time the crisis has also shown that states, although apparently vulnerable in the face of global market forces, are also crucial when it comes to protecting the workings of global capitalism. This shows that indeed the relationship between states and markets is not a one-way street. In other words, politics and policies are shaped by the interests and activities of transnational (market) actors and by economic globalization but the latter is also driven by politics, and shaped (indeed enabled) by the policy choices that states make. It is from this perspective that this course will examine the various approaches within international political economy; the historical evolution of the global political economy; the globalization of production and the role of transnational corporations; the international monetary system and the globalization of finance; the global financial crisis and the eurozone crisis; the political economy of development; the rise of China and other emerging powers, and the political economy of energy and the environment.

Aanvullende informatie onderwijsvormen

Lectures.

Toetsvorm

Final exam.

Literatuur

Balaam, D.N. & Dillman, B. (Eds). (2019). *Introduction to International Political Economy*. Pearson New International Edition (Seventh edition). Harlow: Pearson Education.

Aanvullende informatie doelgroep

Second-year Bachelor students in Political Science, track Global Politics and specialization Mondiale Politiek.

Aanbevolen voorkennis

Some introductory-level knowledge of political science and International Relations as well as of basic (macro-)economics is recommended but relevant concepts will also be explained in class.

Governance and Regulation of Emerging Technologies

Vakcode	R_GRET
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	P.B. Cardozo Solano LLM
Examinator	P.B. Cardozo Solano LLM
Betrokken Docenten	prof. mr. A.R. Lodder, I. Bratu, P.B. Cardozo Solano LLM
Onderwijsvormen	Study Group, Tutorial, Lecture

Doel vak

The aim of this course is to explore various ways to regulate and govern societal changes caused by new technological developments. After this course the students understand the various regulatory and governance instruments, such as laws, regulation via technology, self-regulation, standardisation, and how and when to apply these to new technologies, including so-called disruptive technologies.

Specifically, the course fulfills the following learning outcomes:

- The students will familiarize themselves with recent technological advancements, will learn about existing technological developments and their impact in our increasingly digital societies;
- The students will gain understanding of ethical dimensions of modern technologies, setting the scene for legal analyses;
- The students will gain understanding of various laws, regulations and governance mechanisms applicable to various technologies in multiple sectors and domains;
- The students will demonstrate the ability to work with peers by acknowledging and supporting an inclusive and diverse environment;
- The students will demonstrate ability to clearly formulate legal arguments verbally and in writing and to resolve complex legal problems from multiple perspectives.

Inhoud vak

This introductory course of the Minor Technology, Law and Ethics offers an introduction into and an overview of the ways technology can or should be regulated. Important general concepts to be discussed are the economy (market powers), the law (regulation and case law), social

conventions and ethics, and the architecture (e.g. the software).

The course examines the fundamentals of regulation from legal and economic perspectives. It explores the range of regulatory tools available and considers their advantages and disadvantages through practical examples. As the course progresses, it examines approaches to the regulation of technology, beginning with Lawrence Lessig's framework, extending to network communitarianism and gatekeeper theory, and exploring nudge theory and behavioral economics. Students will analyze these regulatory perspectives and approaches and discuss their strengths and weaknesses in the context of emerging technologies.

Moreover, the course provides insight into the impact of regulation on key issues for the technology sector, including monopoly control, the promotion of competition, the concept of disruptive technologies, quality standards, and navigating the increasingly complex interplay between regulation, innovation, and the protection of fundamental rights.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

Written exam (individual; digital exam on campus or take-home via Canvas).

Literatuur

Materials will be made available via Canvas.

Aanvullende informatie doelgroep

Apart from regular students, the course is also available for:
Students from other universities/faculties
Contractor (students who pay for one course)

Governance of Global Sustainability

Vakcode	AB_1229
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. J. Dell'Angelo
Examinator	dr. J. Dell'Angelo

Betrokken Docenten	dr. J. Dell'Angelo
Onderwijsvormen	Lecture, Seminar

Doel vak

The main objective of this course is for you to develop an understanding of the different modes and multidimensional challenges of sustainability governance and the critical ways in which it is possible to think about decisions that have impact on the environment. Collectively as a class, and individually, you will develop knowledge in the politics of the environment by engaging with core scientific literature and discussing and tackling real world socio-environmental problems. By the end of the course, you will have gained an understanding of the complexity of the political dimension of the environment and the decisions that society deals with that impact sustainability. You will develop theoretical knowledge that will give you the ability to think critically and question mainstream societal decisions, politics and policies about the environment.

By the end of this course you will be able to:

- Understand and describe different critical principles and theories about multilevel governance of sustainability and the politics and policies of Sustainable Development
- Apply different theories to think critically about and different sustainability problems, by analyzing them from diverse and diverging perspectives
- Characterize different modes of sustainability governance and identify their strengths and limitations in relation to different types of socio-environmental problems
- Formulate your own analysis and suggestions regarding societal decisions that impact local and global sustainable development

Inhoud vak

Humanity deals with complex socio-environmental problems that impact the wellbeing of current and future generations. Nature and ecosystems globally are threatened and under suffering increasing deterioration. It is important to develop critical knowledge, understanding and perspectives about socio-environmental problems and potential solutions. Governance plays a key role in dealing with global sustainability issues. In this course we will study alternative theories about the sustainability challenges that will allow you to think of socio-environmental problems critically and we will learn about the different modes of governance that play a role in addressing issues of sustainability and sustainable development. We will deal with the political dimension of the environment and learn about how different theoretical perspective challenge the dominant paradigms. We will discuss and debate key sustainable development and socio-environmental problems such as the FEW nexus, climate change, water challenges, environmental conflicts etc.

Aanvullende informatie onderwijsvormen

We will mix: frontal lectures, seminars, discussions and group activities.

The structure of the course consists of a mix of lectures and group discussions, activities and assignments. The group activities in class will include simulations and team assignments. Readings will be assigned for each session and it will be essential to be well prepared in order to successfully participate and address key questions that we will tackle.

Participation: Due to the complexity of the issues addressed and the concentrated length of the course I highly recommend attending every session. Of course, if you will have serious family or health reasons you can count on my help for making up for your absence and catching up.

The amount of the material that we will go through and the very short time to prepare between the end of classes and the final exam will not allow you to be successful in this course if you procrastinate reading and if you don't participate.

I will lead group discussions on key questions related to the readings. To make the most of our time together, I will call on students directly to address specific question during the group discussion. I will apply the "Socratic method" and challenge you to defend your opinions. (This is a method that might seem a little intimidating but is particularly useful to develop the capacity to debate publicly and defend your opinions – in line with the learning goals of the course.)

Preparation advice: I can't stress enough the importance to hit the ground and start running from day one, actively participate and not fall behind. A critical aspect is that you make an effort to study the assigned readings before class. If you don't you will see pages adding up quickly and you not be as able to engage productively in discussions and have less information and tools to understand the lectures. I look forward to work with you, so please also take advantage of office hours.

Toetsvorm

Assessment is based on exam, presentations and written group assignments

Literatuur

For each week, a selection of articles will be made to be studied in advance.

Overige informatie

We strongly recommend that students interested in this course take all courses of the Minor Sustainability: Global Challenges Interdisciplinary Solutions

Aanbevolen voorkennis

Interest in sustainability issues and social and environmental justice and politics

Grand Challenges for Sustainability

Vakcode	E_MFS_GCS
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. ir. J.H. Ansink
Examinator	dr. ir. J.H. Ansink
Betrokken Docenten	C. Leisher, prof. dr. P.J.H. van Beukering, dr. ir. J.H. Ansink
Onderwijsvormen	Study Group, Lecture

Doel vak

The objective of this course is to characterize a path toward sustainable development and to identify the Grand Challenges the world faces in making the transition from the business-as-usual path to the sustainable development path.

ACADEMIC SKILLS / KNOWLEDGE

- The biophysics behind global environmental problems such as climate change and biodiversity loss;

- The importance of the 17 Sustainable Development Goals for achieving sustainable development;
- The drivers of economic growth and development and why the management of natural resources cannot be left to the free market;
- The importance of good governance for achieving sustainable development;
- Whether the government can and should intervene to obtain sustainable development and combat poverty, climate change, biodiversity loss, and resource depletion;
- The role of urban areas, in which more than half of the world population currently lives, for achieving sustainable development.

RESEARCH SKILLS / QUANTITATIVE SKILLS

After successfully completing this course, you will be acquainted with theoretical and empirical methods for studying economic growth, the effects of market failures, the management of natural resources, and the effects of different policy interventions.

BRIDGING THEORY AND PRACTICE

After successfully completing this course, you will be able to select, frame and qualitatively describe a challenge in the context of sustainability that is urgent, multidisciplinary, and linked to your personal interest. You will also be able to present a well-founded research proposal in an online pitch that is embedded in the academic literature.

SOCIAL SKILLS

After successfully completing this course, you will be able to present and actively discuss themes relevant to this course.

BROADENING YOUR HORIZON

After successfully completing this course, you will be able to explain:

- The interactions of the world economy, global society, and the natural environment that are important for sustainable development;
- Why sustainable development calls for socially inclusive and environmentally sustainable economic growth.

Inhoud vak

Sustainable development is the central challenge of our time. Today, the Earth is inhabited by more than 8 billion people. This is 10 times more than at the start of the Industrial Revolution in the 18th century. Every year, these people produce more than 100 trillion US dollars of output or 200 times more than at the start of the Industrial Revolution. Both population and output are projected to keep growing in the 21st century. Although global economic development has brought widespread prosperity, more than 700 million people still live in extreme poverty, and human activities may plunge the world into a gigantic environmental crisis caused by climate change and biodiversity loss. We live in the Anthropocene where human activity has become a dominant influence on the Earth's climate and natural environment. To eradicate poverty and prevent environmental catastrophes, a transition needs to be made from the business-as-usual path to the sustainable development path. Making this transition requires good governance by governments, citizens, and businesses.

The course is organized around the Sustainable Development Goals as adopted by the UN in 2015. The first week will start with a general introduction that sketches several important sustainability issues, illustrated by empirical evidence. During the course, we pay attention to the scientific as well as to the economic and societal dimensions of the identified challenges for sustainability. Furthermore, both analytical side (i.e., how to make sense of the interactions of the economy, society and the environment?) and the normative or ethical side (i.e., what should be the objectives of a well-functioning society?) of sustainable development will be discussed during the course.

The topics that will be dealt with during the course are:

1. Growth and development and links to capital accumulation and technological change;
2. Ending global poverty, improving education, and providing basic health care;
3. Management of natural resources and planetary boundaries;

4. Climate change including climate science and environmental policies;
5. Biodiversity and land-use change;
6. Global governance.

Aanvullende informatie onderwijsvormen

Lectures (with interactive elements); Tutorials (including presentation and discussion sessions); MOOC (to do at home prior to the lectures and tutorials)

Toetsvorm

Written exam – Individual assessment

Interim Assignments – Individual and group assessment

Literatuur

Sachs, Jeffrey D., The Age of Sustainable Development, 2015, Columbia University Press, New York.

<https://cup.columbia.edu/book/the-age-of-sustainable-development/9780231173155>

Collection of articles.

Great Minds I

Vakcode	W_BA_MND1
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. L.W. Lee
Examinator	prof. dr. M. Martijn
Betrokken Docenten	prof. dr. M. Martijn, dr. L.W. Lee
Onderwijsvormen	Lecture

Doel vak

The objective of this course is to acquire critical understanding of some of the highlights of the ancient and medieval philosophy time periods. After this course you will have

- 1) knowledge of some of key thinkers from philosophy in the ancient and medieval philosophy time periods;
- 2) understanding of the main questions this philosophy seeks to answer.

After this course you are able to

- 3) interpret philosophical texts from the ancient and medieval philosophy time periods;
- 4) use and apply some of the core concepts of philosophy;
- 5) outline some strands of development in the ancient and medieval philosophy time periods in your own words.

Inhoud vak

This course largely focuses on Western philosophy from 6th century BCE to 15th century CE. It introduces you to Ancient and Medieval philosophy, by studying the theories of a number of well-known thinkers: Plato, Aristotle, Augustine, and Thomas Aquinas, while also attending to the theories of those who are less well-known, such as Mengzi [Mencius], Laozi, Ibn Rushd [Averroes], and Christine de Pizan. We will focus on the relation between

world, knowledge and goodness (i.e., metaphysics, epistemology, and ethics).

Aanvullende informatie onderwijsvormen

Interactive lecture; seminar; text analysis

Toetsvorm

Weekly assignments (pass/fail, assessment of learning objective 3, 4); final exam (100%, assessment of learning objectives 1, 2, 4, 5). The assignments need to be sufficient (i.e. 'pass'), the final exam determines the grade.

Literatuur

A selection of primary sources, to be distributed through Canvas.

Aanvullende informatie doelgroep

Minor students Philosophy

Great Minds II

Vakcode	W_BA_MND2
Studiepunten	6.00
Periode	P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. C.H. Krijnen
Examinator	dr. C.H. Krijnen
Betrokken Docenten	dr. C.H. Krijnen
Onderwijsvormen	Lecture

Doel vak

The student acquires the ability:

1. To recognize and interpret the fundamental questions within modern and contemporary philosophy;
2. To identify and explain the basic ideas and concepts of some important philosophers from the 17th-20th century;
3. to make connections, and to differentiate between these concepts and ideas.
4. to read, analyze, and interpret primary philosophical texts;
5. to further develop argumentative skills, orally and in writing.

Inhoud vak

In this course the most important thinkers from the philosophical history of the 17th until the 20th century will be discussed. It concerns philosophers who have had an ineffaceable influence on philosophical thinking in general and thinking about science and culture in particular. The following philosophers are discussed in Modern philosophy: Descartes, Hume, Kant,

Hegel. Concerning Contemporary Philosophy, the course is presently under construction. Four philosophers will be addressed. Info on the program will follow on Canvas. Presently, Nietzsche, James, Peirce, Wittgenstein, Heidegger, Horkheimer/Adorno, Marcuse, Arendt, Foucault, Deleuze belong to the possible candidates.

Aanvullende informatie onderwijsvormen

Lectures to introduce the philosophical movement and philosopher's work; text reading seminars in which a text(fragment) of the philosopher is discussed. Attendance of 80% of the text reading seminars in the classes on

Modern Philosophy and in the classes on Contemporary Philosophy is mandatory.

Toetsvorm

- Assignments about the primary texts (complete/incomplete) (assessment of learning objectives 1, 2, 3, 4, 5);

- Midterm test on Modern Philosophy with essay questions (50%) (assessment of learning objectives 1, 2, 3, 4, 5);

- Final test on Contemporary Philosophy with essay questions (50%)(assessment of learning objectives 1, 2, 3, 4, 5) .

- There is a mandatory attendance of 80% in the lectures in part I and 80% in the lectures in part II in order to achieve learning objectives 4 and 5.

Literatuur

The literature list will be published at Canvas two weeks before the start of the course.

Aanvullende informatie doelgroep

The course is part of the minor Philosophy.

Toelichting Canvas

Two weeks before the start of the course, a detailed program will be made available through Canvas.

Aanbevolen voorkennis

Great Minds I

Hadith-wetenschappen

Vakcode	G_BATRSAL026
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit Religie en Theologie
Vakcoördinator	dr. Y. Ellethy
Examinator	dr. Y. Ellethy
Betrokken Docenten	dr. Y. Ellethy
Onderwijsvormen	Hoorcollege

Doel vak

Na afronding van deze module:

- kan de student de terminologie op het gebied van de hadithwetenschappen benoemen, definiëren, uitleggen, analyseren, en toepassen;

- kan de student vergelijkingen maken tussen westerse historische methodologie en

Hadithmethodologie, de hadithwetenschappen integreren in en confronteren met bestaande historische theorieën en eigen theoretische positiebepaling verwoorden;

- kan de student de niet-islamitische en islamitische kritiek tegen de autoriteit van

de Soenna en de betrouwbaarheid van de Hadithmethodologie weergeven, bediscussiëren en hierover argumenteren;

- kan de student uitleg geven over de belangrijkste concepten van de principes van de

hadithwetenschappen [uṣūl al-ḥadīth];

- kan de student de inhoud van een aantal in het college behandelde Koran- en

Hadithteksten weergeven en deze teksten analyseren en uitleggen volgens de methode van de Koran- en hadithwetenschappen blijkend uit

presentaties en werkcollege discussies;

- kan de student in hoofdlijnen iets vertellen over de hedendaagse discussies en

problematiek van de hadith in de moderne tijd, het belang van dit vakgebied uiteenzetten in een bredere maatschappelijke of

wetenschappelijke context.

- kan de student de belangrijke Soenna-hadithliteratuur benoemen en hierover uitleg

geven en literatuuronderzoek doen blijkend uit schrijfoopdrachten en presentaties;

- kan de student de hadiths classificeren en toeschrijven aan een bepaalde autoriteit

en deze classificeren;

- kan de student enkele hadithteksten vanuit een eigen perspectief toelichten,

verwoorden, in verband brengen met andere posities, en het belang hiervan uiteenzetten in een bredere maatschappelijke en

wetenschappelijke context;

- kan de student hermeneutische competenties gebruiken,

achtergrondinformatie bij

actuele kwesties aanleveren en de opgedane kennis in link met de praktijk toepassen.

Inhoud vak

Hadith-wetenschappen is een vervolg op en verdieping van Inleiding in de Koran en Soenna. De inhoud wordt verdiept met meer aandacht voor:

hadithwetenschappen/methodologie, terminologie van de

hadithwetenschappen usul/mustalah al-hadith, en de

hedendaagse discussies over de autoriteit van de Soenna. Het gaat dus

om: geschiedenis van usul al-hadith, classificatie van de hadiths,

analyse van isnâd/sanad en matn, relatie tussen Koran en Soenna ,

deconstructie en beoordeling van een sanad, leeswijze van een sanad,

criteria van betrouwbaarheid van een overlevering/overleveraar,

aanvaardbaarheid en onaanvaardbaarheid van een hadith, aantasting van

een isnâd of matn, hadith commentaar (sharh) en methodes van takhrij

van een hadith.

Aanvullende informatie onderwijsvormen

Hoor- en werkcolleges met schriftelijke opdrachten en tussentijdse

papers. Een klassieke bron-tekst (matn) van de hadithmethodologie wordt

uitgelegd en geanalyseerd; een aantal relevante artikelen,

boekhoofdstukken en hadith teksten worden behandeld. Er wordt aandacht

gegeven aan de interactieve deelname van de studenten. Vragen worden aan

het begin van het college beantwoord en besproken. Aan het eind van de

serie hoorcolleges wordt een werkstuk gepresenteerd, in werkgroep

besproken en beoordeeld.

Toetsvorm

Schriftelijk tentamen (80%)

Schrijfoopdracht (20%)

Literatuur

Verplicht:

- Azami, M., Studies in Hadith Methodology and Literature, Indianapolis:

American Trust publications, 1977

- Brown J., "The rules of Matn criticism: There are no rules", Islamic Law and Society 19 (2012), pp. 356-396 (Canvas)
- Ibn Al-Salah, An Introduction to the Science of the Hadith, trans. Dickinson E., Reading: Garnet Publishing Ltd, 2006.

Aanbevolen:

- Kamali M., A Textbook of Hadith Studies, Leicestershire: The Islamic Foundation, 2009
- Maloush T., Early Hadith Literature and the Theory of Ignaz Goldziher, Phd thesis, University of Edinburgh, 2000
- Siddiqi, M., Hadith for Beginners, New Delhi : Goodword Books, 2000 (VU Bibliotheek)

Overige informatie

Voor deze module geldt een aanwezigheidsplicht van 80%.

Afwijkende intekenprocedure

Je kunt je alleen intekenen voor dit vak als je bent ingetekend op de [minor Arabisch en bronnen van de Islam](#) of de [minor Islam](#), of als je de track Islam (onderdeel van de bachelor Theology and Religious Studies) of de track Vrije Keuze (onderdeel van de bachelor Theology and Religious Studies) volgt.

Aanbevolen voorkennis

- Inleiding in de Koran Soenna (G_BATRSPC123) [Note: n.v.t. voor minor-studenten]
- Arabisch IV (G_BATRSPC202) [Note: n.v.t. voor minor-studenten]
- Geschiedenis van de Islam tot 1800 (G_BATRSPC106) [Note: n.v.t. voor minor-studenten]

Health Care Management

Vakcode	E_MFHC_HCM
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. Y.J.F.M. Krabbe-Alkemade
Examinator	dr. Y.J.F.M. Krabbe-Alkemade
Betrokken Docenten	dr. Y.J.F.M. Krabbe-Alkemade, dr. M. van Wieringen, dr. L.M. Glimmerveen
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

Doel vak

Kennis: In deze cursus maken studenten kennis met 1) theorieën op het gebied van management en organisatie die relevant zijn voor zorgorganisaties; en 2) uitdagingen waar de (Nederlandse) zorgsector voor staat en wat deze betekenen voor management- en organisatiepraktijken.

Vaardigheden: Studenten oefenen met het toepassen van theoretische inzichten op concrete uitdagingen bij het organiseren van zorg in zorgorganisatie. Daarbij ontwikkelen studenten het vermogen om inzicht te krijgen in (en effectief te communiceren over):

- diverse organisatiepraktijken binnen en tussen zorgorganisaties, en hoe deze zich door de tijd heen ontwikkelen
- de invloed van deze organisatiepraktijken op het werk van diverse actoren in de zorg (zoals managers en zorgprofessionals)
- de (machts)dynamiek tussen actoren bij het organiseren van zorg
- de verschillende logica, inclusief perspectieven en belangen, die leidend zijn bij het organiseren van zorg, hoe deze met elkaar in conflict kunnen staan, en hoe daarmee wordt omgegaan

- hoe uitdagingen die hieruit voortkomen praktisch geadresseerd kunnen worden.

Inhoud vak

Organisatieprocessen in de zorg zijn vaak complex: vaak werken meerdere partijen vanuit diverse disciplines, verschillende organisaties en uiteenlopende belangen hierbij (al dan niet) samen. Deze cursus helpt studenten om meer grip te krijgen op die complexiteit, om zo bij te kunnen dragen aan het effectief functioneren van zorgorganisaties. Dit vereist inzicht in de relaties en interacties van partijen binnen en tussen zorgorganisaties, maar ook hoe deze beïnvloed worden door bredere ontwikkelingen in de sector en samenleving. In de cursus passen we verschillende theoretische perspectieven uit de organisatie- en managementwetenschappen toe om duiding te geven aan ontwikkelingen en uitdagingen in de zorgsector.

Aanvullende informatie onderwijsvormen

Hoorcolleges en werkgroepen

Toetsvorm

Schriftelijk digitaal tentamen op de VU

Vereiste voorkennis

Geen

Literatuur

Wordt nader bekend gemaakt op de Canvas pagina.

Health Economics

Vakcode	E_MFHC_HEC
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. W. Janssens
Examinator	prof. dr. W. Janssens
Betrokken Docenten	dr. T.J. Galama, prof. dr. W. Janssens
Onderwijsvormen	Study Group, Lecture

Doel vak

In this course students learn to:

- Apply micro-economic theory to the study of health policy and healthcare financing;
- Understand and address the drivers of individual health-related behavior;
- Explain the origins of inequalities in health outcomes over the life cycle, and within and between countries;
- Formulate economic requirements for effective healthcare systems;
- Identify healthcare market failures and explain how/why governments may intervene;
- Evaluate the impact and effectiveness of healthcare policies using economic theory;
- Perform longitudinal analyses of developments in healthcare;
- Collect and synthesize empirical evidence to communicate on matters of healthcare.

Inhoud vak

The central theme of this course is the economic optimization of healthcare systems, investigating both the demand- and the supply-side.

This course provides students the necessary economic knowledge to analyze healthcare policies and individual health-related behavior, and to examine the economic effects of healthcare policies and interventions.

The following topics will be addressed:

- healthcare systems' main objectives;
- market imperfections and principal-agent relationships in healthcare;
- methods to evaluate the economic performance of healthcare policies;
- health financing and health insurance;
- benefit-incidence analyses of healthcare programs;
- socioeconomic and life cycle inequalities in health outcomes;
- prevention, treatment and (socioeconomic) impact of infectious diseases (such as COVID19, HIV/AIDS, malaria);
- the growing burden of non-communicable diseases;
- individual behavior and lifestyle choices that affect health outcomes;
- the link between mental health, depression and socioeconomic outcomes.

Aanvullende informatie onderwijsvormen

- Two lectures per week (on-campus)
- One tutorial meeting per week (on-campus)

Toetsvorm

- Written exam (individual assessment)
- Weekly written tutorial assignments (group assessment)

Vereiste voorkennis

None.

Literatuur

- Selection of chapters from Bhattacharya, J., T. Hyde and T. Tu (2014), "Health Economics", Palgrave MacMillan.
- Papers, as listed in the course manual and published on Canvas.

Aanbevolen voorkennis

None.

Human Rights and Citizenship

Vakcode	R_HumRC
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	dr. K.J. Swider
Examinator	dr. K.J. Swider
Betrokken Docenten	prof. dr. G.R. Jones, dr. K.J. Swider
Onderwijsvormen	Study Group, Tutorial

Doel vak

After successfully completing this course you will be able to:

- Understand how the concept of citizenship operates in national and international legal systems;
- Gain an insight into the role of citizenship policies in the formation of statehood in (post-)colonial and state succession contexts;
- Understand international and regional legal norms on statelessness and multiple nationalities;
- Understand the hierarchical function and racialized instability of citizenship and rights in colonial and postcolonial contexts;
- Apply the knowledge of core concepts and theories acquired in this course to analyse your chosen citizenship

regime;

- Gain a comparative perspective on how various states across the globe regulate acquisition and loss of their citizenships;
- Critically evaluate the relationship between the status of citizenship and the concept of human rights;
- Critically engage with the concept of 'integration' and analyse the assimilationist shift of mandatory integration measures.

The course contributes to achieving the following end objectives of the Bachelor degree:

2&3 - Interconnectedness between different legal orders: national, European, international; 4 - understanding of legal terminology in English; 5 - understanding that the law develops and manifests itself in social contexts; 7 - reading, understanding and analysing legal sources; 9 - critical reflection on laws from historical and philosophical perspectives; 10 - reflection on one's own position in society where the relevant laws function; 16 - conducting research into a legal problem and writing down the findings; 21 - finding legal sources.

The course also contributes to the objectives of the Law in Action by asking students to apply the theoretical knowledge acquired to a concrete citizenship context of their choosing, reflecting on the political, societal, historical and anthropological relevance of the legal category of citizenship worldwide.

Inhoud vak

Citizenship is an important concept for national and international legal systems, but also a core notion in political science, sociology, and anthropology, as well as a salient political issue in many states. This course offers a cross-disciplinary insight into the seemingly omnipresent yet poorly defined phenomenon of citizenship. Together we will attempt to understand core legal terminology surrounding citizenship, and engage with national and international laws that regulate how citizenship ought to be acquired and lost by individuals. We will look at how states assert their statehood and sovereignty through the law and politics of citizenship in different contexts of state formation, including state succession and (post-)colonialism. Finally, we will study the nexus between citizenship, migration and human rights through a critical look at integration policies, as well as the hierarchical function and racialised instabilities of citizenship. We approach the topic with awareness of how we are situated within it, and reflect on how our own relation with our (lack of) citizenship(s) shape our perspectives on the topic.

At the start of the course each student chooses any citizenship regime they want to explore, and applies the knowledge acquired in the course to analyse their chosen regime. In class we exchange findings about different citizenship regimes and gain a comparative perspective from each other. At the end of the course each student puts together a Portfolio based on the work they have done during the course, which forms the basis for the assessment.

Aanvullende informatie onderwijsvormen

Weekly lectures, obligatory weekly assignments.

Toetsvorm

The course is graded on the basis of a written Portfolio.

Submission of compulsory weekly assignments is required for passing the course.

The format for the re-examination is determined based on the number of students needing re-examination. It may take the form of an oral re-examination, or a written assignment equivalent to the Portfolio.

Vereiste voorkennis

Successful completion of university-level courses at 2nd year Bachelor level, and ability to engage with interdisciplinary academic literature, is essential. Legal skills, such as ability to read and understand national and international legal documents and judgments, is desirable. Background in either law, anthropology, sociology or political science is desirable.

Literatuur

Will be announced on Canvas.

Aanvullende informatie doelgroep

Apart from law students of the VU, the course is also available for:

- Students from other universities/faculties
- Exchange students
- Contractor (students who pay for one course)

Human Rights and the Border

Vakcode	R_HumRB
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	prof. dr. mr. B. de Hart
Examinator	prof. dr. mr. B. de Hart
Betrokken Docenten	mr. dr. Y. Arbaoui, prof. dr. mr. B. de Hart
Onderwijsvormen	Study Group, Tutorial

Doel vak

The overall aim of the course is to increase knowledge of the law concerning borders and the understanding of the changing meanings of borders. The course invites students to explore borders from a (global) legal and sociological perspective. The specific learning aims of this course are:

1. To develop some insight into the coherence and conflicts between relevant domestic, European and international law;
2. To understand the ways in which the law develops and manifests itself in a social context;
3. To read, understand and analyze legal and theoretical texts and arguments, including case law and legislation;
4. To take a well-founded and substantiated position in a social-legal debate.
5. To understand the different categories of 'migrants' created by the law and the attaching differences with regard to the right to cross borders and the sanctioning of illegal border crossing;
6. To identify relevant domestic, European and international law and deal with conflicts among them;
7. To critically reflect on legislation and case-law concerning borders, practices concerning borders as well as on the human dimension of borders.

Inhoud vak

The operation of borders and border control in practice may differ greatly from how it may be understood to operate in theory. In this course, the knowledge of the law on borders will be connected to societal reality. The course explores the convergence and discontinuities between physical borders and social identities, and the emerging tensions between the nation state and migrants' enjoyment of their fundamental human rights. It provides an opportunity to study which laws regulate people's mobility, creating different categories of 'migrants'. The course covers the issue of asylum at the border and other forms of how human rights provisions can generate migration rights. In addition, the course addresses current issues such as border deaths, forced return of migrants, smart borders and racialization of borders.

Aanvullende informatie onderwijsvormen

The course basically consists of (interactive) lectures. In addition, field excursions (or online alternatives) may take place, enabling students to learn how borders work in practice.

Toetsvorm

The course will be concluded with a written exam and/or a paper.

Literatuur

Will be announced on Canvas.

Aanvullende informatie doelgroep

This course is open to students of various disciplines who have completed their first year of their Bachelor program, including exchange students.

Overige informatie

This course is part of the minor 'Law and Global Society: Internet, Migration and Climate Change' and of the minor 'Migration Studies'.

Identity, Diversity and Inclusion

Vakcode	S_IDI
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. I.E. Waldring
Examinator	dr. I.E. Waldring
Betrokken Docenten	dr. M.C. de Regt, dr. I.E. Waldring
Onderwijsvormen	Lecture

Doel vak

This course is designed to introduce students to the various issues concerning diversity and inclusion in an increasingly globalizing world.

The course focuses in particular on contemporary issues concerning processes of inclusion and exclusion in the Dutch/European context.

The central questions in this course are:

1. How and why are identities based on ethnicity, gender, class and sexuality constructed by both insiders and outsiders?
2. How do (groups within) European/Dutch societies respond to diversity?
3. What are the relevant mechanisms of inclusion or exclusion?
4. How should we contextualize current debates and practices related to inclusion/exclusion processes in relation to Dutch/European historical developments?

Learning outcomes:

Knowledge and understanding - The student has acquired knowledge and understanding of:

- (1) the relevant forms and dimensions of social identities;
- (2) theories of identity construction, inclusion and exclusion;
- (3) the questions, debates and policies on diversity in contemporary Western societies, and the differences between societies thereof;
- (4) the challenges of contemporary developments - such as globalization and individualization - on contemporary forms of diversity.

Application - The student has acquired the competences to:

- (5) apply acquired knowledge in the analysis of contemporary forms of diversity.

Making judgements - The student is able to demonstrate:

- (6) a critical stance in contemporary debates over identity, diversity and inclusion.

Inhoud vak

Identity issues have become very prominent in our globalizing world. While migration is often presented as one of the main causes of the increasing emphasis on identity, other developments, such as those related to (cultural) globalization and economic transformations, have had a strong impact as well. In addition to ethnic and religious diversity, gender inequalities, class differences and issues related to sexual diversity have changed The Netherlands and other European societies. Ethnicity, gender, class and sexuality are markers of identity, but have also become axes of inclusion and exclusion in

contemporary European societies.

This course discusses how ethnic diversity intersects with other forms of diversity. While historical constructions of the nation were already gendered, in contemporary discourses on national identity, gender and sexuality have become more prominent as markers of national inclusion and exclusion. Or, as in Europe ethnic diversity largely coincides with class distinctions, how does this affect feelings of belonging and inclusion?

Various identity aspects will be studied in relation to possible reactions to experienced threats to identity and/or social exclusion. The course will also zoom in on cases of local conflict and on contemporary debates related to the subject, like the one on feminist solidarity in an age of diversity.

Aanvullende informatie onderwijsvormen

Lectures.

Toetsvorm

Digital exam.

Literatuur

Various articles including texts by Cooper (2015), Crul (2016), Young (1990), Woodward (2003), and others (see CANVAS).

Aanvullende informatie doelgroep

2nd year bachelorstudents in Cultural Anthropology and Development Sociology.

Students in the Minor Sociology and the Minor Gender & Diversity.

Also open as an elective course for Exchange Students.

Imagining the Dutch: themes in Dutch History

Vakcode	L_GCBAALG003
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Nederlands / Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	drs. W.C. Manuhutu
Examinator	dr. P.H. Moser
Betrokken Docenten	drs. W.C. Manuhutu, dr. P.H. Moser, prof. dr. P.J.E.M. van Dam, dr. H.M.E.P. Kuijpers
Onderwijsvormen	Hoorcollege

Doel vak

The main goal of this course is to familiarize diverse group of students coming from different countries and educational backgrounds with some

core aspects of the history of the Netherlands and of the way the Netherlands is imagined.

Students will also learn how to connect Dutch history with a number of present-day academic as well as public debates on issues such as national identity, tolerance, environment, colonialism, World War II, democracy and multiculturalism.

They will learn how to critically connect these themes to different representations of Dutch history in the media, in museums and the internet.

As this course is open to non-history students, it will also introduce several concepts of history as an academic discipline, by discussing subfields of history such as political history, colonial history, environmental history and national history.

After taking this course, students will be able to recognize normative thinking in academic literature and in the work of historians, to read and summarize academic writing, to use scientific literature in debates and to critically address historical information and images.

Inhoud vak

Often, the perception of the Netherlands at home and abroad is ridden with stereotypes. It is a country of cheese, herring and coffeeshops. Canals, clogs, windmills and a very liberal attitude to life choices are also elements in this imagery. The struggle against water is yet another recurring theme in the way the Dutch are perceived and see themselves.

The course will cover a period of over 500 years from 1500 until the present, giving an overview of the multiple histories of the Netherlands. Besides written texts, audio-visual sources will also be employed in order to illuminate the themes that will be discussed. Breaking away from the Spanish Habsburg Empire in the late sixteenth century, the Dutch Republic became a world power in the course of the seventeenth century. As a republic it was an exception in an age of kingdoms and empires. The seventeenth century was marked by economic, scientific and cultural success. The foundations for a large colonial empire were laid in the seventeenth century. This period has been coined the 'Golden Age', a term that has come under scrutiny and debate in recent years. In the course the emergence of the Dutch Republic and the way the 'Golden Age' came into being and is remembered will be

discussed. Several characteristics that are considered 'typically Dutch' such as a pragmatic, entrepreneurial mentality are linked to this period. The merchant and the minister are two other images that are often used in characterizing the Dutch. As a country dependent on trade, international relations have always been of the utmost importance. As a small nation the Netherlands also has a tradition in international law as well as a tendency to imagine itself as holding the moral high-ground and a guide to the world.

During the course among others the following themes will be discussed:

- The emergence of the Netherlands as an independent political nation and its development as a Republic in the seventeenth century
- Notions of tolerance and religious diversity
- The economic, scientific and cultural developments in the Netherlands (Rembrandt, Hugo Grotius)
- The Dutch and water: a maritime power at sea, managing water at home
- The Dutch as a colonial power and a post-colonial society
- The transition from a Republic to a Kingdom
- Pillarized consensus democracy and present-day Dutch politics
- The Dutch and the World Wars
- Migration, diversity and race In the Netherlands

Discussion among students about the content of the lectures and the course literature is part of this course, which is specifically designed to connect history with contemporary issues. Quizzes and polls will be employed to stimulate class engagement.

Aanvullende informatie onderwijsvormen

In period 1, each week there will be two lectures. All the thematic lectures will be given by various lecturers, primarily from the History Department of the VU. Presence in class is mandatory. Students who have a reason to be absent have to inform the course coordinator in time of their absence, which is limited to a maximum of two times, after which the student can be penalized with exclusion from participating in the exams.

Toetsvorm

There is one written assignment (40%), as well as a written exam (60%).

Literatuur

Handbook: Kennedy, J. C. (2017). A concise history of the Netherlands. Cambridge University Press.

Students will also be asked to read additional articles or book chapters related to each theme, which will be posted on Canvas in due time.

Overige informatie

This course will be provided two times during the academic year in period 1 (L_GCBAALG003) and in periods 4&5 (L_GCBAALG004).

All the lectures will be in English. Students who follow a Dutch language program can make their assignments in Dutch.

Information Systems in E-Business and Online Commerce

Vakcode	E_MFEO_ISEOC
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J. van Angeren
Examinator	dr. J. van Angeren
Betrokken Docenten	dr. J. van Angeren, dr. E. Elshan
Onderwijsvormen	Seminar, Lecture

Doel vak

ACADEMIC SKILLS:

Develop the ability to understand and critically examine technological developments as they relate to the domain of e-business and online commerce. Students should be able to:

- understand and critically reflect on the role of information systems and technology in facilitating e-business, online commerce, and social commerce;
- examine the relationship between technological developments and e-business and online commerce.

KNOWLEDGE:

Acquire a fundamental understanding of information systems usage in the context of e-business and online commerce, and the main technological trends and issues that permeate it. More specifically, students will gain knowledge concerning the following:

- the information systems landscape of e-business and online commerce organizations;
- important technological and infrastructural developments such as application programming interfaces (APIs), cloud and serverless computing, digital platforms, no-code and low-code platforms, and service-oriented architectures, and how they relate to e-business and online commerce;
- the challenges that changing trends in e-business and online commerce pose for the information systems landscape of and technology in use at the organization

BRIDGING THEORY AND PRACTICE:

Apply received knowledge to business problems at hand. Specifically:

- apply theoretical knowledge relating to information systems to the practice of conducting business online;
- conceive of and develop applications using no-code or low-code platforms;
- translate business needs to technological solutions and vice versa.

SOCIAL SKILLS:

Be able to effectively work in project teams on business problems and communicate on project results both through presentation and writing.

Inhoud vak

Information systems and technology lie at the very heart of e-business and online commerce. Innovations in those technologies have made it possible to conduct business over the Internet, through mobile apps, and via social media platforms. Technology also enables streamlining interactions with suppliers, business partners, and customers, and collecting and analyzing data from digital transactions to predict what customers might be interested in. At the same time, conceived business innovations in e-business and online commerce activities often also have to be supported by new technology.

It is on this nexus between business and technology needs that this course resides, as it addresses the fundamental role of information systems and technology in e-business and online commerce. Our focus is on recent technological developments such as application programming interfaces (APIs), cloud and serverless computing, digital platforms, no-code and low-code platforms, service-oriented architectures, and others. Students will develop an essential understanding of these technological developments as well as what new business activities they enable and how they are applied. Moreover, students will consider the challenges that come with these technological developments and conducting business over the Internet more generally.

Students will apply their acquired knowledge through their work on developing an app to solve a business problem. In groups, students will use a low-code platform, Mendix, to develop their own application and reflect on the design choices that they have made. This way, students gain first-hand experience of the challenges that arise when aligning business and technology. While working with Mendix, students have the opportunity to obtain formal certification as a Mendix Rapid Application Developer as a natural extension of the coursework.

Aanvullende informatie onderwijsvormen

Lectures

Knowledge clips

Tech Q&As

Tutorials

Toetsvorm

Final exam - Individual assessment

Low-code app assignment - Group assessment

Literatuur

The readings for this course consist of a collection of academic and practitioner-oriented papers. The (links to) those papers will be distributed via Canvas.

Aanvullende informatie doelgroep

This course is part of the minor in E-Business and Online Commerce, but the course is open to other students as well.

Aanbevolen voorkennis

Although there are no formal entry requirements for this course, it is important to note that we build on the knowledge that students gained during an introductory course on Information Systems, such as Business Information Systems or Business Information Technology.

Inleiding in de Koran en Soenna

Vakcode	G_BATRSPC123
Studiepunten	6.00
Periode	P1

Vakniveau	100
Onderwijstaal	Nederlands
Faculteit	Faculteit Religie en Theologie
Vakcoördinator	dr. Y. Ellethy
Examinator	dr. Y. Ellethy
Betrokken Docenten	dr. Y. Ellethy
Onderwijsvormen	Hoorcollege

Doel vak

Na afronding van deze module:

- kent de student op hoofdlijnen de ontstaansgeschiedenis, de indeling en de thematiek van de Koran en de Hadith;
- kan de student beknopt uitleg geven over visies op de geschiedenis van de Goddelijke openbaring in het algemeen en de openbaring van de Koran aan de profeet Mohammed in het bijzonder;
- kent de student de ontstaansgeschiedenis, de verzameling en de verspreiding van de Koranische tekst in hoofdlijnen;
- kent de student de westerse discussies en kritiek i.v.m de historische ontwikkeling van de tekst van de Koran en kan hierop reageren op een wetenschappelijke manier;
- kent de student de algemene kenmerken, inhoud, stijl en historische context van de Koran in hoofdlijnen;
- heeft de student fundamentele kennis omtrent de terminologie van de Koranwetenschappen (en basiskennis van de Soenna en Hadith terminologie);
- kent de student de geschiedenis en de ontwikkeling van de Koran- en Hadithwetenschappen en de betreffende klassieke en moderne literatuur in grote lijnen;
- kan de student een werkstuk van enkele pagina's schrijven over de positie van de Koran en de Soenna binnen de Islam.

Inhoud vak

In deze cursus (met meer focus op de Koranwetenschappen) worden gezaghebbende visies op de geschiedenis van de openbaring, de verzameling en de ontstaansgeschiedenis van de Korantekst, de betreffende kritiek, en de belangrijkste kernpunten en terminologie binnen de Koranwetenschappen 'ulūm al-Qur'ān behandeld. De student krijgt ook basiskennis van de positie van de Soenna binnen de Islam, het ontstaan en de ontwikkeling van de Hadith wetenschappen, terminologie en klassieke literatuur. In de module Hadith-wetenschappen zal meer nadruk worden gelegd op de Soenna en Hadithmethodologie.

Aanvullende informatie onderwijsvormen

Hoor- en werkcolleges met schriftelijke opdrachten en tussentijdse papers. Er wordt aandacht gegeven aan de interactieve deelname van de

studenten. Vragen worden aan het begin van het college besproken. In aansluiting op elk hoorcollege-onderdeel wordt een werkstuk geschreven en in werkgroepen besproken en beoordeeld.

Toetsvorm

Schriftelijk tentamen (80%)
Schrijfofdracht (20%)

Literatuur

Verplichte literatuur:

- Al-A'zami, M., The History of the Quranic Text from Revelation to Compilation, Leicester: UK Islamic Academy, 2003.
- Leemhuis, F. "Koran"; "Soenna", in J. Waardenburg (ed.), Islam: Norm, Ideaal en Werkelijkheid. Houten: Fibula, 20005 , pp. 54-74; 75-79.
(Canvas).
- Ljamai, A., Inleiding tot de Studie van de Koran, Zoetermeer: Meinema, 2005, hoofdstukken 1, 2, 3 en 4 t/m p. 71.
- Motzki, H., The Collection of the Qur'an: A Reconsideration of Western Views in Light of Recent Methodological Developments, Der Islam 78 (2001), pp. 1-34.
- Watt, M. (et al.), Bells Inleiding tot de Koran, Utrecht: de Ploeg, 1986, hoofdstukken 1 en 2 t/m p. 39.
- Nederlandse Koranvertaling.

Aanbevolen literatuur:

- Ali, M., Sirat Al-Nabi and the Orientalists, Madinah: King Fahd complex for the Printing of the Quran, 1997 (Section IV: Receipt of Way).
- Hamidullah, M., An Introduction to the Conservation of Hadith in the Light of the Sahifah of Hammam ibn Munabbih, Kuala Lumpur: Islamic Book Trust, 2003.
- Verdere literatuur wordt voor aanvang van het college bekend gemaakt via Canvas.

Aanvullende informatie doelgroep

Deze module maakt onderdeel uit van de bachelor Theology and Religious Studies - Islam, de universiteitsminor Islam en de minor Arabisch en Bronnen van de Islam.

Overige informatie

Aanwezigheid 80%

Afwijkende intekenprocedure

Je kunt je alleen intekenen voor dit vak als je bent ingetekend op [de minor Arabisch en bronnen van de Islam](#) of de [minor Islam](#), of als je de track Islam (onderdeel van de bachelor Theology and Religious Studies) of de track Vrije Keuze (onderdeel van de bachelor Theology and Religious Studies) volgt.

Inleiding Inspanningsfysiologie

Vakcode	B_IF
Studiepunten	6.00
Periode	P1
Vakniveau	100
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. J.J. de Koning
Examinator	dr. J.J. de Koning
Betrokken Docenten	dr. J.J. de Koning
Onderwijsvormen	Practicum, Werkcollege, Deeltentamen schriftelijk, Hoorcollege

Doel vak

Doel van dit vak is het verkrijgen van kennis van de bouw en werking van organen en orgaansystemen die een rol spelen bij het bewegen en de energiehuishouding. Na afloop van de cursus kan de student de belangrijkste onderdelen van deze organen en orgaansystemen benoemen, de bouw en werking van deze onderdelen benoemen en de werkingsmechanismen beschrijven. Daarnaast kan de student deze kennis toepassen tijdens het meten van verschillende variabelen tijdens rust en inspanning. Ten slotte is de student in staat de uitkomsten van de metingen te interpreteren en te verwerken.

Inhoud vak

Tijdens de cursus wordt, na een inleiding, de bouw en de werking van de voor het bewegen belangrijkste fysiologische systemen, zoals de bloedsomloop, de ademhaling, de energievoorziening, de spieren en de hormoonhuishouding besproken. Daarbij wordt zowel het functioneren tijdens rust als tijdens fysieke inspanning besproken.

Bij de practica wordt de theoretische kennis verder uitgebreid en toegepast bij het registreren van de stofwisseling in rust, het ECG en de bloeddruk, de verschillende longvolumina en ademhalingsparameters, de hartfrequentie tijdens fysieke inspanning, het lichamelijke prestatievermogen, het dagelijkse energieverbruik en de dagelijkse voedselopname.

Aanvullende informatie onderwijsvormen

De cursus is opgebouwd rond 6 thema's (Meten is weten; Zuurstof van atmosfeer naar bloed; Zuurstofcirculatie in het lichaam; Zuurstofgebruik in de spier; Energie voor de spieren; Limitaties van het systeem en training). Ieder thema heeft een themadocument met daarin de leerdoelen van ieder thema. Ieder thema heeft een aantal 'Meet Ups', welke dienen ter verduidelijking van de leerstof. Deze Meet Ups zijn gestructureerd rond vragen van studenten ('Flipped Classroom Approach') en behulpzaam voor de bestudering van de grote hoeveelheid leerstof. Door middel van vraagstukken en opdrachten wordt verder inzicht in de leerstof verkregen. Daarnaast volgt iedere student een aantal werkgroepen en practica. De practica zijn verplicht en dienen ter aanvulling op de leerstof en bieden bovendien de gelegenheid om de kennis van de leerstof toe te passen en te verdiepen. Voorwaarde voor deelname aan het practicum is dat de student voor elke bijeenkomst steeds de betreffende stof in het boek en de cursushandleiding bestudeerd heeft. Na elke practicumbijeenkomst wordt het practicum door iedere student uitgewerkt aan de hand van opdrachten (inhoud en tijdstip van inleveren volgens de richtlijnen in de cursushandleiding). Inschrijving voor de practica gaat via Canvas.

40 uur/ Meet Ups

12 uur/ practica en werkgroepen

20 uur / uitwerking practicum
3 uur / tussentoets
3 uur/ eindtoets
90 uur / zelfstudie

Toetsvorm

De tentamenstof beslaat de hoofdstukken van het boek ("Exercise Physiology: nutrition, energy, and human performance") zoals beschreven in de zes thema's, de themadocumenten en besproken tijdens de Meet Ups, de diverse practica en de studiehandleiding.

Het tentamencijfer zal bestaan uit een gemiddelde van de eerste en tweede deoltoets. De eerste deoltoets (thema 1-3) wordt halverwege de cursus gehouden en de tweede deoltoets (thema 4-6) aan het einde va de cursus. Beide toetsen worden schriftelijk afgenomen en bestaan uit meerkeuze en open vragen.

Om een cijfer voor het tentamen te krijgen dient men aan de practicumverplichtingen te hebben voldaan. Deze verplichtingen zijn: alle practicumbijeenkomsten (actief) volgen en de bijbehorende opdrachten (voldoende) maken.

Literatuur

De verplichte literatuur bestaat uit:

- W.D. McArdle, F.I. Katch, V.L. Katch: Exercise Physiology: nutrition, energy, and human performance , 9th edition (2022). International edition.

- De cursushandleiding en (thema)documenten via Canvas

Overige informatie

De practica zijn verplicht. Het tentamencijfer is alleen geldig als alle practicumbijeenkomsten zijn gevolgd en de betreffende opdrachten zijn ingeleverd. Bij het eventuele missen van een practicumbijeenkomst of opdracht met een geldige reden dient zo spoedig mogelijk contact opgenomen te worden met de practicumbegeleiders voor het plannen van een inhaalbijeenkomst.

Afwijkende intekenprocedure

De indeling van werkgroepen/practica/tutorgroepen etc. vindt plaats via Canvas.

Toelichting Canvas

De beschrijving van de zes thema's (themadocumenten) zijn te vinden op Canvas.

Inleiding Psychologie (UM)

Vakcode	P_UINLPSY
Studiepunten	6.00
Periode	P1
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. W. Donk
Examinator	dr. W. Donk
Betrokken Docenten	dr. W. Donk
Onderwijsvormen	Hoorcollege

Doel vak

-Kennis en begrip hebben van het vakgebied psychologie
-Het kunnen toepassen van deze kennis zoals blijkt uit de vaardigheid basisvragen te kunnen beantwoorden op het gebied van de psychologie

Inhoud vak

Het vak geeft een overzicht van de psychologie. Wat is de genetische en biologische basis van gedrag? Wat is bewustzijn? Hoe zien we, leren we, onthouden we en denken we? Waarom gedragen we ons zoals we doen? Naast deze fundamentele vragen zullen o.a. ook de volgende onderwerpen aan bod komen: intelligentie, sociale psychologie, de ontwikkeling, persoonlijkheidsleer, psychopathologie en psychologische behandelmethoden.

Aanvullende informatie onderwijsvormen

-14 hoorcolleges Contacturen: 168 (24 college, 3 examen, 141 zelfstudie)

Toetsvorm

- Multiple choice tentamen

Literatuur

Phelps, E.A., Berkman, E.T., & Gazzaniga, M.S. (2022). Psychological Science (7th edition). Norton.

Overige informatie

De cursus wordt Engelstalig aangeboden.

International Relations and Global Governance

Vakcode	S_IRGG
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. J. Hogan
Examinator	dr. J. Hogan
Betrokken Docenten	dr. J. Hogan
Onderwijsvormen	Lecture

Doel vak

Learning outcomes:

Knowledge and understanding - The student has acquired knowledge and understanding of:

(1) the rival theories and approaches within the discipline of International Relations (IR) and their meta-theoretical foundations, such as Realism, Liberalism, Constructivism, Marxism, Postcolonialism Poststructuralism and Feminism;

(2) the most important characteristics of these different theoretical perspectives and are able to relate them to key thinkers within these approaches;

(3) how and why interstate relations and global governance - within the context of ongoing globalization - affects nation states and societies, and how different actors, such as states, governments, international organisations, multinational corporations (MNCs), and NGOs, collaborate and conflict within these transnational processes;

(4) contemporary world politics and pertinent themes such as democracy, security, the rise of emerging powers,

gender, neo-colonialism, the global political economy and (under)development, and can apply and contrast the different theoretical perspectives of IR (e.g., Realism, Liberalism, Constructivism, Marxism, see above) to case studies and questions related to these contemporary issues.

Skills – The student is able to:

(5) apply their knowledge of the conceptual and theoretical toolbox of IR, and of contemporary developments, to issues such as war, humanitarian intervention, democracy, development cooperation, international negotiations and international political economy.

Attitude – The student displays:

(6) an ability to critically reflect upon the rival theoretical approaches in the discipline of IR.

Inhoud vak

This course offers a comprehensive overview of the discipline and subject of International Relations (IR) and its main concepts and theories and approaches. Throughout, the course will be guided by the question to what extent, and how, the current process of globalization is changing the nature and content of world politics, approaching this question from the various competing theoretical perspectives that IR has to offer.

Traditionally, the object of study for IR has been the conflict between and co-operation of sovereign states. This model is, however, increasingly regarded as outdated inasmuch as more and more non-state actors such as multinationals, NGOs and transnational social movements appear to play a prominent role in world politics. In addition, we can also observe transnational forms of regulation through international organizations and emerging structures of what is called 'global governance'.

The question has been raised whether in the face of these processes of globalization and transnationalisation, states have lost the sovereignty that used to be the basis of the international system. On the other hand, there are still many instances where state power is very visible. Indeed, recent geopolitical developments and events, such as the rise of China or Russia's invasion of Ukraine, have highlighted that classical themes of interstate rivalry and international security may not have lost their relevance.

In this course the focus will be on seeking to understand these issues from various theoretical lenses. Students will learn how different perspectives highlight different structures and different actors and processes, and how a deeper knowledge of these theories and their main concepts allows for a deeper understanding of the richness of IR and its relation to the rest of the social sciences, and of the complexity of today's globalized world politics.

Aanvullende informatie onderwijsvormen

Lectures

Toetsvorm

Election observation report (pass/fail); International negotiation simulation; Final exam

Literatuur

Baylis, J., Smith, S., & Owens, P. (Eds.). (2023). *The Globalization of World Politics: An Introduction to International Relations (9th edition)*. Oxford University Press.

Various journal articles, all available through the VU library website or Google Scholar.

Aanvullende informatie doelgroep

Second-year Bachelor students in Political Science, track Global Politics and specialization Mondiale Politiek.

Students in the Minor Political Science

Internet Governance

Vakcode	R_InternGov
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	mr. T.H.A. Wisman
Examinator	mr. T.H.A. Wisman
Betrokken Docenten	mr. T.H.A. Wisman
Onderwijsvormen	Study Group, Lecture

Doel vak

At the end of this course students:

- Understand the basics of the Internet and the basics of governance;
- Understand what Internet governance is, both in the broad and the narrow sense, are able to explain how they relate and are capable of applying them to real-world phenomena;
- Understand and are able to apply the modalities of Lessig;
- Understand and are able to apply the models of Solum;
- Know and understand European law and case law regarding topics such as privacy, freedom of expression and copyright, and are able to apply to this Lessig's modalities and Solum's models;
- Are able to analyse text (policy documents, law, case law) and reflect on the relation between technology (internet), law and power;
- Are able to reflect on internet governance phenomena and the underlying dynamics of regulation.

Inhoud vak

In the first half of this course the focus is on models and modalities which are used to analyse issues of internet governance. These can be used to determine which parties are involved (the question WHO => stakeholders) and how they (attempt to) promote or defend their interests (the question HOW => the things that regulate/modalities/models) in internet governance issues. The answers to these questions are not always clear-cut. Interests can intertwine and Machiavellian politics may be lurking beneath everyday facades.

Armed with these analytical models the emphasis of the second half of this course will shift to applying them to different phenomena. This half of the course deals with specific legal subjects and the concomitant case law of the Court of Justice of the European Union. In this second half Solum's models of internet governance will be used together with Lessig's modalities to establish how stakeholders seek to pursue their interests and how this impacts various fundamental rights, such as the right to freedom of expression and the right to privacy. Students will attain insight in the opaque processes which can spur lawmaking and critically reflect on why some laws are in action and the inaction of other laws.

This course is a required part of the minor Law and Global Society. The transnational nature of the internet in conjunction with its technical features, make internet governance a suitable area for students to verse themselves in matters of transnational law, power and technology. This course has no prerequisites.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

Exam

Vereiste voorkennis

Verplichte voornamen

None.

Literatuur

Amongst others:

L. Lessig, Code and Other Laws of Cyberspace (Basic Books, New York 2006)

L.B. Solum, Models of Internet Governance

Material will be made available on Canvas before the start of the course.

Aanvullende informatie doelgroep

Apart from regular students, the course is also available for:

Students from other universities/faculties

Exchange students

Contractor (students who pay for one course)

Internship Minor Applied Econometrics: A Big Data Experience for All

Vakcode	E_MFAE_IMAE
Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. L.F. Hoogerheide
Examinator	dr. L.F. Hoogerheide
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Academic Skills

- Ability to examine and understand problems from different perspectives;
- Ability to put forward well-founded, substantiated points of view, both in spoken and written format;
- Ability to apply acquired knowledge to other problems and in other contexts.

Research Skills

- Ability to translate practically relevant problems into (academically) relevant research questions;
- Ability to design and execute a project using a systematic, analytical approach in a real business environment (of profit or not-for-profit organizations).

Knowledge

- Have specialized, in-depth knowledge and insights about the minor theme;
- Ability to make connections between theories, models, and concepts of that specific minor theme/ discipline.

Bridging Theory and Practice

- Ability to apply theoretical knowledge in a specific organizational context;

- Ability to formulate relevant recommendations for practice based on your knowledge acquired;
- Have a better understanding of what the expectations of the academic and professional field are in terms of knowledge and skills needed;
- Have awareness of the various career opportunities the field offers.

Social Skills

- Have a better understanding of roles and needs of different types of stakeholders that you need to interact with as a professional;
- Ability to work well in a team and reflect on your own role in the team.

Self-awareness

- Ability to reflect on your own responsibilities as well as others;
- Ability to reflect on your personal development;
- Ability receive and are able to deal with feedback from others.

Inhoud vak

Organizations (maybe even your future employer) are increasingly looking for experience as well as academic credentials. The School recommends doing an internship, because it is an excellent way to apply the knowledge and (academic) skills which you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start into your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives. Also, the project needs to allow for an individual assessment.

Finally, note that in order to obtain your internship credits, your internship has to be pre-approved by the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site Internship

Toetsvorm

Written report – Individual assessment

Literatuur

Literature relevant to the theme of the minor and internship should be used to develop a solution to the problem that is investigated during the internship project.

Overige informatie

READ THE FOLLOWING INFORMATION CAREFULLY:

- Subscription to the internship through Student Portal (vu.nl) is not possible.

• CONTACT THE MINOR COORDINATOR as soon as you have an INITIAL proposal for the internship
Approval of the minor coordinator is essential in order to be able to do a minor internship.

- Have a better understanding of roles and needs of different types of stakeholders that you need to interact with as a professional;
- Ability to work well in a team and reflect on your own role in the team.

Broadening your horizon

- Have a better understanding of what the expectations of the academic and professional field are in terms of knowledge and skills needed;
- Have awareness of the various career opportunities the field offers.

Self-awareness

- Ability to reflect on your own responsibilities as well as others;
- Ability to reflect on your personal development;
- Ability to receive and are able to deal with feedback from others.

Inhoud vak

Increasingly organizations and maybe even your future employer are looking for experience as well as academic credentials. The School recommends doing an internship, because it is an excellent way to apply the knowledge and (academic) skills which you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start into your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives. Also, the project needs to allow for an individual assessment.

Finally, note that in order to obtain your internship credits, your

internship has to be pre-approved by the minor coordinator and supervised by a School member that is assigned to you by either the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site Internship

Toetsvorm

Written report – Individual assessment

Literatuur

Literature relevant to the theme of the minor and internship should be used to develop a solution to the problem that is investigated with the internship project.

Overige informatie

You have to arrange your internship in either in period 1 and 2, or in period 2 and 3. To prepare for it you are warmly invited to contact Career Services at the Faculty of Business and Economics. They can help you find an internship and get the best out of it.

Internship Minor Decision Making in Business and Society

Vakcode	E_MFDM_IMDM
Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. K.M.T. Millet
Examinator	prof. dr. K.M.T. Millet
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Academic & research skills

- Ability to examine and understand problems from different perspectives;
- Ability to put forward well-founded, substantiated points of view, both in spoken and written format;
- Ability to apply acquired knowledge to other problems and in other contexts.
- Ability to translate practically relevant problems into (academically) relevant research questions;
- Ability to design and execute a project using a systematic, analytical approach in a real business environment (of profit or not-for-profit organizations).

Bridging theory and practice - knowledge

- Have specialized, in-depth knowledge and insights about the minor theme;

Bridging theory and practice - practice

- Ability to make connections between theories, models, and concepts of that specific minor theme / discipline.
- Ability to apply theoretical knowledge in a specific organizational context;
- Ability to formulate relevant recommendations for practice based on your knowledge acquired;

Social skills

- Have a better understanding of roles and needs of different types of stakeholders that you need to interact with as a professional;
- Ability to work well in a team and reflect on your own role in the team.

Broadening your horizon

- Have a better understanding of what the expectations of the academic and professional field are in terms of knowledge and skills needed;
- Have awareness of the various career opportunities the field offers.

Self-awareness

- Ability to reflect on your own responsibilities as well as others;
- Ability to reflect on your personal development;
- Ability to receive and are able to deal with feedback from others.

Inhoud vak

Increasingly organizations and maybe even your future employer are looking for experience as well as academic credentials. The School recommends doing an internship, because it is an excellent way to apply the knowledge and (academic) skills which you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start into your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives. Also, the project needs to allow for an individual assessment.

Finally, note that in order to obtain your internship credits, your internship has to be pre-approved by the minor coordinator and supervised by a School member that is assigned to you by either the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site Internship

Toetsvorm

Written report – Individual assessment

Literatuur

Literature relevant to the theme of the minor and internship should be used to develop a solution to the problem that is investigated with the internship project.

Overige informatie

IMPORTANT:

- Subscription to the internship through VU.nl is not possible.
- CONTACT THE MINOR COORDINATOR as soon as you have an INITIAL proposal for the internship. Approval of the minor coordinator is essential in order to be able to do a minor internship.
- The general internship manual will be available through VU.nl (including more details on a time plan and practical matters). CAREFULLY READ THE MANUAL ON VU.nl (go to Services > Degree programme > Internship, or Serviceplein > Opleidingsprogramma > Stage). The manual will provide more insights in what is exactly expected in terms of your internship proposal, the concrete requirements, and the related time line of activities.
- After completing the internship the subscription to the course as well as the registration of the result will be done by the back office.

Internship Minor E-business and Online Commerce

Vakcode	E_MFEO_IMEOC
Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J. van Angeren
Examinator	dr. J. van Angeren
Betrokken Docenten	
Onderwijsvormen	

Doel vak

ACADEMIC AND RESEARCH SKILLS

The student can conduct a basic international research project from start to finish.

ACADEMIC SKILLS

After successfully completing this course, the student:

- can analyze and demonstrate an understanding of problems from different perspectives (Analysis);
- is able to recognize fundamental structures and to leave out irrelevant information (Abstraction);
- is able to put forward well-founded, substantiated points of view, both in spoken and written format (Argumentation).

RESEARCH SKILLS

After successfully completing this course, the student:

- is able to translate academic research into practically relevant outcomes;
- is able to translate practically relevant problems into academically relevant research questions;
- can apply all the research skills needed to complete a research process in a real business environment, be it a for-profit or not-for-profit organization.

BRIDGING THEORY AND PRACTICE

KNOWLEDGE

Demonstrates theoretical and empirical knowledge concerning the relevant areas in international business administration pertaining to the internship.

After successfully completing this course, the student:

- has specialized, in-depth knowledge and insights about the minor theme pertaining to the internship;
- is able to make connections between theories, models, and concepts of the specific minor theme pertaining to the internship;
- has a clear, distinctive profile through the choice of the minor and internship.

APPLICATION:

The student can propose a solution to an international real-life business problem by applying relevant theories and methodologies.

After successfully completing this course, the student:

- is able to apply theoretical knowledge in a specific business situation;

- has actively experienced the chosen field in real-life;
- knows what the expectations of the academic and business field are in terms of knowledge and skills needed;
- is aware of the career opportunities the field (both academic and business) offers.

SOCIAL SKILLS

Students are able to effectively manage different professional roles in a (cross-cultural_ environment.

After successfully completing this course, the student:

- excels at presenting (both orally and in writing) on substantive aspects of the minor theme in a business context;
- has a thorough understanding of roles and needs of different types of stakeholders;
- can work well in a team and reflect on his/her own role in the team.

SELF-AWARENESS

Student can evaluate their own learning, knowledge, and actions.

After successfully completing this course, the student:

- has made well-founded decisions and can support those choices;
- can reflect on his/her personal development;
- can open up to and deal with feedback from others.

Inhoud vak

Increasingly organizations and maybe even your future employer are looking for experience as well as academic credentials. The School recommends doing an internship, because it is an excellent way to apply the knowledge and (academic) skills which you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start to your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives and that relates to the subject of the minor. Moreover, the project needs to allow for an individual assessment.

In order to be eligible to obtain your internship credits, your internship has to be pre-approved by the minor coordinator and supervised by a School member that is assigned to you by the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site Internship in a business environment.

Toetsvorm

Written report – Individual assessment

Aanvullende informatie doelgroep

This course is open only to students of the minor E-business and Online Commerce.

The internship lasts for two periods (either period 1 and period 2 or period 2 and period 3) and replaces two minor courses. Students are free to choose themselves which courses they want to replace with an internship, though this requires pre-approval by the minor coordinator. The focus of the Internship should be aligned with a topics addressed in the minor. Internships are always initiated by students. Proposals for an internship require formal approval by the minor coordinator.

Afwijkende intekenprocedure

Internships are initiated by students and require formal approval by the minor coordinator. This means that you cannot register for an internship directly through VUweb.

- CONTACT THE MINOR COORDINATOR as soon as you have an INITIAL proposal for the internship. Approval of the minor coordinator is essential in order to be able to do a minor internship.
- The general internship manual will be available through VUnet (including more details on a time plan and practical matters). CAREFULLY READ THE MANUAL ON VUNET (go to Services > Degree programme > Internship, or Serviceplein > Opleidingsprogramma > Stage). The manual will provide more insights in what is exactly expected in terms of your internship proposal, the concrete requirements, and the related time line of activities.
- After completing the internship, course registration and result registration will be taken care of.

Internship Minor Entrepreneurship

Vakcode	E_MFEN_IMENT
Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300

Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. W. Stam
Examinator	prof. dr. W. Stam
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Academic and research skills: Students are able to translate a practically relevant problem related to entrepreneurship into (academically) relevant research questions, and demonstrate that they can design and execute a research project using a systematic, analytical approach that delivers new theoretical and practical insights into the problem.

Bridging Theory and Practice: Students are able to synthesize and apply concepts, models and theories in the field of entrepreneurship in order to analyze and solve an entrepreneurial challenge and/or opportunity faced by an existing organization.

Social Skills: Students demonstrate understanding of roles and needs of different types of stakeholders that they need to interact with as a professional, and are able to work well with others.

Self-awareness: Students are able to reflect on their own responsibilities, learnings and personal development during their internship.

Inhoud vak

Increasingly organizations and maybe even your future employer are looking for experience as well as academic credentials. Doing an internship is an excellent way to apply the knowledge and (academic) skills which you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start into your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives. Also, the project needs to allow for an individual assessment. Doing an internship at your own startup is not allowed; it needs to be an existing organization that can provide internship supervision.

It is possible to replace two of the courses in the Minor Entrepreneurship by an internship that will be supervised by one of the

lecturers of the courses. An internship counts for 12 EC: it replaces one out of the two courses “Enterprising Behavior” and “Entrepreneurial Strategy” (both in period 2) in combination with the course “New Venture Creation” (in period 3). Internships should be aligned with the topics of the minor and should be initiated by students.

Finally, note that in order to obtain your internship credits, your internship has to be pre-approved by the minor coordinator and supervised by a School member that is assigned to you by either the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site Internship

Toetsvorm

Internship report - Individual assessment

Overige informatie

IMPORTANT:

- Subscription to the internship through VU.nl is not possible.
- CONTACT THE MINOR COORDINATOR as soon as you have an INITIAL proposal for the internship. Approval of the minor coordinator is essential in order to be able to do a minor internship.
- The general internship manual will be available through VU.nl (including more details on a time plan and practical matters). CAREFULLY READ THE MANUAL ON VU.nl (go to Services > Degree programme > Internship, or Serviceplein > Opleidingsprogramma > Stage). The manual will provide more insights in what is exactly expected in terms of your internship proposal, the concrete requirements, and the related time line of activities.
- After completing the internship the subscription to the course as well as the registration of the result will be done by the back office.

Internship Minor Health Care Management

Vakcode	E_MFHC_IMHC
Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. Y.J.F.M. Krabbe-Alkemade
Examinator	dr. Y.J.F.M. Krabbe-Alkemade
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Academische en onderzoeksvaardigheden

- Je bent in staat om problemen vanuit verschillende perspectieven te onderzoeken en te begrijpen;
- Je hebt het vermogen om goed gefundeerde, onderbouwde standpunten naar voren te brengen, zowel mondeling als schriftelijk;
- Je bent in staat om verworven kennis toe te passen op andere problemen en in andere contexten.
- Je bent in staat om praktisch relevante problemen om te zetten in (academisch) relevante onderzoeksvragen;
- Je bent in staat om een project te ontwerpen en uit te voeren met behulp van een systematische, analytische aanpak in een echte zakelijke omgeving (van zorgorganisaties).

Brug slaan tussen theorie en praktijk - kennis

- Je hebt gespecialiseerde, diepgaande kennis en inzichten over het onderwerp van de minor;

Brug slaan tussen theorie en praktijk - praktijk

- Je bent in staat om verbindingen te leggen tussen theorieën, modellen en concepten van dat specifieke onderwerp/discipline van de minor.
- Je bent in staat om theoretische kennis toe te passen in een specifieke organisatorische context;
- Je bent in staat om relevante aanbevelingen voor de praktijk te formuleren op basis van de verworven kennis;

Sociale vaardigheden

- Je hebt een beter begrip van de rollen en behoeften van verschillende soorten belanghebbenden waarmee je als professional moet samenwerken;
- Je bent in staat om goed te functioneren in een team en te reflecteren op je eigen rol in het team.

Je horizon verbreden

- Je hebt een beter begrip van de verwachtingen van het academische en professionele veld op het gebied van benodigde kennis en vaardigheden;
- Je bent bewust van de verschillende carrièremogelijkheden die het vakgebied biedt.

Zelfbewustzijn

- Je bent in staat om te reflecteren op je eigen verantwoordelijkheden en die van anderen;
- Je bent in staat om te reflecteren op je persoonlijke ontwikkeling;
- Je bent in staat om feedback van anderen te ontvangen en ermee om te gaan.

Inhoud vak

Steeds vaker zoeken organisaties, en misschien zelfs jouw toekomstige werkgever, naar ervaring naast academische referenties. SBE raadt aan om een stage te doen, omdat dit een uitstekende manier is om de kennis en (academische) vaardigheden die je tijdens je studie hebt verworven toe te passen. Jouw belangrijkste leerdoel als student-stagiair is om jezelf vertrouwd te maken met professionele en marktgerelateerde vaardigheden in een echt en nieuw organisatorische omgeving. Met de arbeidsmarkt die steeds competitiever wordt, zal het verkrijgen van relevante ervaring je een goede start geven in je professionele carrière.

Bedrijven bieden een breed scala aan stages in verschillende disciplines. Wat cruciaal is bij het verkrijgen van goedkeuring voor je stage en uiteindelijk het behalen van je studiepunten, is dat er een duidelijk gedefinieerd project is dat je in staat stelt om aan de leerdoelen te voldoen. Bovendien moet het project een individuele beoordeling mogelijk maken.

Tot slot, merk op dat om je stagepunten te verkrijgen, je stage vooraf moet worden goedgekeurd door de coördinator van de minor en moet worden begeleid door een van de SBE begeleiders die aan jou is toegewezen door de minor coördinator.

Aanvullende informatie onderwijsvormen

Stage bij een organisatie

Toetsvorm

Rapportage - individuele assessment

Literatuur

Literatuur die relevant is voor het thema van de minor en de stage moet worden gebruikt om een oplossing te ontwikkelen voor het probleem dat wordt onderzocht met het stageproject.

Aanvullende informatie doelgroep

- Inschrijving voor de stage via VU.nl is niet mogelijk.
- NEEM CONTACT OP MET DE MINORCOÖRDINATOR zodra je een INITIEEL voorstel hebt voor de stage. Goedkeuring van de minorcoördinator is essentieel om een stage in het kader van de minor te kunnen doen.
- De algemene stagehandleiding zal beschikbaar zijn via VU.nl (met meer details over een tijdsplanning en praktische zaken). LEES DE HANDLEIDING OP VU.nl ZORGVULDIG (ga naar Services > Opleiding > Stage, of Serviceplein > Opleidingsprogramma > Stage). De handleiding geeft meer inzicht in wat er precies verwacht wordt qua jouw stagevoorstel, de concrete vereisten, en de bijbehorende tijdslijn van activiteiten.
- Na afronding van de stage zal de inschrijving voor de cursus, evenals de registratie van het resultaat, worden verzorgd door het backoffice.

Internship Minor Managing Digital Innovation

Vakcode	E_MUM_IMDI
Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	K.C. Cepa
Examinator	K.C. Cepa
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Academic & research skills

- Ability to examine and understand problems from different perspectives;
- Ability to put forward well-founded, substantiated points of view, both in spoken and written format;
- Ability to apply acquired knowledge to other problems and in other contexts.
- Ability to translate practically relevant problems into (academically) relevant research questions;
- Ability to design and execute a project using a systematic, analytical approach in a real business environment (of profit or not-for-profit organizations).

Bridging theory and practice - knowledge

- Have specialized, in-depth knowledge and insights about the minor theme

Bridging theory and practice - practice

- Ability to make connections between theories, models, and concepts of that specific minor theme / discipline.
- Ability to apply theoretical knowledge in a specific organizational context;
- Ability to formulate relevant recommendations for practice based on your knowledge acquired.

Social skills

- Have a better understanding of roles and needs of different types of stakeholders that you need to interact with as a professional;
- Ability to work well in a team and reflect on your own role in the team.

Broadening your horizon

- Have a better understanding of what the expectations of the academic and professional field are in terms of knowledge and skills needed;
- Have awareness of the various career opportunities the field offers.

Self-awareness

- Ability to reflect on your own responsibilities as well as others;
- Ability to reflect on your personal development;
- Ability to receive and are able to deal with feedback from others.

Inhoud vak

Increasingly organizations and maybe even your future employer are looking for experience as well as academic credentials. The School recommends doing an internship, because it is an excellent way to apply the knowledge and (academic) skills which you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start into your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives. Also, the project needs to allow for an individual assessment.

Finally, note that in order to obtain your internship credits, your internship has to be pre-approved by the minor coordinator and supervised by a School member that is assigned to you by either the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site internship

Toetsvorm

Written report – Individual assessment

Literatuur

Literature relevant to the theme of the minor and internship should be used to develop a solution to the problem that is investigated with the internship project.

Aanvullende informatie doelgroep

IMPORTANT

- Subscription to the internship through VU.nl is not possible.
- CONTACT THE MINOR COORDINATOR as soon as you have an INITIAL proposal for the internship. Approval of the minor coordinator is essential in order to be able to do a minor internship.
- The general internship manual will be available through VU.nl (including more details on a time plan and practical matters). CAREFULLY READ THE MANUAL ON VU.nl (go to Services > Degree programme > Internship, or Serviceplein > Opleidingsprogramma > Stage). The manual will provide more insights in what is exactly expected in terms of your internship proposal, the concrete requirements, and the related time line of activities.
- After completing the internship the subscription to the course as well as the registration of the result will be done by the back office.

Internship Minor Real Estate Economics and Finance

Vakcode	E_MFRE_IMRE
Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. J. Rouwendal
Examinator	prof. dr. J. Rouwendal
Betrokken Docenten	
Onderwijsvormen	

Doel vak

The internship should enable the student (i) to participate in the functioning of the real estate industry, for instance by being involved in a real estate development project undertaken by the company providing the internship and (ii) to collect knowledge of a real estate related topic of the student's choice that is collected in a written report.

Inhoud vak

The purpose of the internship is to provide a bridge between academic education (the minor courses) and the functioning of the real estate industry.

Aanvullende informatie onderwijsvormen

The internship proposal should make clear how the student participates in the business and what will be the topic of the report.

Toetsvorm

In addition to the report, the student should prepare a brief report on the activities carried out.

Vereiste voorkennis

-

Literatuur

-

Aanvullende informatie doelgroep

The internship provides an exemption for the Research Project and one of the courses offered in periods 1 and 1.

Internship Minor Risk Management for Financial Institutions

Vakcode	E_MFRM_IMRM
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Studiepunten	12.00
Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	M.J. Hopman
Examinator	M.J. Hopman
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Academic Skills: To excel in Analysis, Abstraction, Argumentation, and Application (the four A's).

After successfully completing your internship you...

- are able to examine and understand problems from different perspectives;
- are able to put forward well-founded, substantiated points of view, both in spoken and written format;
- are able to apply acquired knowledge to other problems and in other contexts.

Research Skills: Understanding and capable of performing all the elements of the research process.

After successfully completing your internship, you...

- are able to translate practically relevant problems into (academically) relevant research questions;
- are able to design and execute a project using a systematic, analytical approach in a real business environment (of profit or not-for-profit organizations).

Knowledge: Attaining thorough fundamental knowledge and being distinctive by specialization in a specific discipline.

After successfully completing your internship you...

- have specialized, in-depth knowledge and insights about the minor theme/ specific discipline in which you completed the internship;
- are able to make connections between theories, models, and concepts of that specific minor theme/discipline.

Bridging Theory and Practice: Ability to translate and apply theoretical knowledge into practice.

After successfully completing your internship, you...

- are able to apply theoretical knowledge in a specific organizational context;
- are able to formulate relevant recommendations for practice based on your knowledge acquired;
- have a better understanding of what the expectations of the academic and professional field are in terms of knowledge and skills needed;
- are more aware of the various career opportunities in the field (both academic and business) offered.

Social Skills: Having empathy and successfully interacting with others.

After successfully completing an internship, you...

- have a better understanding of the roles and needs of different types of stakeholders that you need to interact with as a professional;
- are able to work well in a team and reflect on your own role in the team.

Inhoud vak

Increasingly organizations and maybe even your future employers are looking for experience as well as academic credentials. The School recommends doing an internship because it is an excellent way to apply the knowledge and (academic) skills that you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start into your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives. Also, the project needs to allow for an individual assessment.

Finally, note that in order to obtain your internship credits, your internship has to be pre-approved by the minor coordinator and supervised by a School member that is assigned to you by the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site Internship

Toetsvorm

Written report - individual assessment

Literatuur

Literature relevant to the theme of the minor and internship should be used to develop a solution to the problem that is investigated with the internship project.

Aanvullende informatie doelgroep

Students of the Minor Risk Management for Financial institutions.

It is possible to replace two of the courses for an internship that will be supervised by one of the lecturers of the courses or a specialised SBE supervisor.

It is advised to follow at least one of the courses Risk Management in Banking or Risk Management for Financial Institutions (both in period 1) ensuring a good basis knowledge of risk management. Internships should be aligned with a topic addressed in the minor and

should be initiated by students. Proposals for an internship need approval from the minor coordinator.

Overige informatie

The general internship manual will be available through VUNet (including more details on a time plan and practical matters). please refer to this link: <https://vu.nl/en/student/elective-space/internships-faculty-sbe>. The manual will provide more insights into what is exactly expected in terms of your internship proposal, the concrete requirements, and the related timeline of activities.

After completing the internship the subscription to the course as well as the registration of the result will be done by the back office.

Afwijkende intekenprocedure

Enrollment via the normal administration. You have to enroll the course "internship Minor Risk Management for Financial Institutions".

Toelichting Canvas

There will be a Canvas course available, but communication will be individually

Aanbevolen voorkennis

Courses related to the minor, specifically those in period 1

Internship Minor Sustainability and Innovation

Vakcode	E_MFS_IMSI
Studiepunten	12.00

Periode	P1+2, P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	L.A. Falcke
Examinator	L.A. Falcke
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Academic Skills: To excel in Analysis, Abstraction, Argumentation, and Application (the four A's).

After successfully completing your internship you...

- are able to examine and understand problems from different perspectives;
- are able to put forward well-founded, substantiated points of view, both in spoken and written format;
- are able to apply acquired knowledge to other problems and in other contexts.

Research Skills: Understanding and capable of performing all the elements of the research process.

After successfully completing your internship, you...

- are able to translate practically relevant problems into (academically) relevant research questions;
- are able to design and execute a project using a systematic, analytical approach in a real business environment (of profit or not-for-profit organizations).

Knowledge: Attaining thorough fundamental knowledge and being distinctive by specialization in a specific discipline.

After successfully completing your internship you...

- have specialized, in-depth knowledge and insights about the minor theme/ specific discipline in which you completed the internship;
- are able to make connections between theories, models, and concepts of that specific minor theme/discipline.

Bridging Theory and Practice: Ability to translate and apply theoretical knowledge into practice.

After successfully completing your internship, you...

- are able to apply theoretical knowledge in a specific organizational context;
- are able to formulate relevant recommendations for practice based on your knowledge acquired;
- have a better understanding of what the expectations of the academic and professional field are in terms of knowledge and skills needed;
- are more aware of the various career opportunities in the field (both academic and business) offered.

Social Skills: Having empathy and successfully interacting with others.

After successfully completing an internship, you...

- have a better understanding of the roles and needs of different types of stakeholders that you need to interact with as a professional;
- are able to work well in a team and reflect on your own role in the team.

Inhoud vak

Increasingly organizations and maybe even your future employers are looking for experience as well as academic credentials. The School recommends doing an internship because it is an excellent way to apply the knowledge and (academic) skills that you acquired during your studies. Your most important learning goal as a student-intern is to familiarize yourself with professional and market-related skills in a

real and new organizational environment. With the job market becoming increasingly competitive, gaining relevant experience will give you a good start into your professional career.

Companies offer a wide range of internships in various disciplines. What is crucial in obtaining approval for your internship and eventually obtaining your study credits, is that there is a clearly defined project that allows you to fulfill the learning objectives. Also, the project needs to allow for an individual assessment.

Finally, note that in order to obtain your internship credits, your internship has to be pre-approved by the minor coordinator and supervised by a School member that is assigned to you by the minor coordinator.

Aanvullende informatie onderwijsvormen

On-site Internship

Toetsvorm

Written report – Individual assessment

Literatuur

Literature relevant to the theme of the minor and internship should be used to develop a solution to the problem that is investigated with the internship project.

Aanvullende informatie doelgroep

Students of the Minor Sustainability & Innovation.

It is possible to replace two of the courses for an internship that will be supervised by one of the lecturers of the courses. The courses to be replaced are one out of the two courses “Organizing Sustainable Innovation” and “Sustainable Business Processes” (both in period 2) in combination with “Marketing Sustainable Innovations” (in period 3). Internships should be aligned with a topic addressed in the minor and should be initiated by students. Proposals for an internship need approval from the minor coordinator.

Overige informatie

- The general internship manual will be available through VUnet (including more details on a time plan and practical matters). CAREFULLY READ THE MANUAL ON VUNET (go to Services > Degree programme > Internship, or Serviceplein > Opleidingsprogramma > Stage). The manual will provide more insights into what is exactly expected in terms of your internship proposal, the concrete requirements, and the related timeline of activities.

- After completing the internship the subscription to the course as well as the registration of the result will be done by the back office.

Afwijkende intekenprocedure

IMPORTANT:

- Enrollment for the internship through VUnet is not possible.
- CONTACT THE MINOR COORDINATOR as soon as you have an INITIAL proposal for the internship. Approval by the minor coordinator is essential in order to be able to do a minor internship.

Aanbevolen voorkennis

Courses related to the minor, specifically those of period 1.

Interpreting Information in Text by Humans and Machines

Vakcode	L_PABAALG005
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. E. Maks
Examinator	dr. E. Maks
Betrokken Docenten	dr. E. Maks
Onderwijsvormen	Seminar, Lecture

Doel vak

In this course, students are trained in the computational analysis of texts. In

particular, we explore the process of identifying and annotating information in historic and contemporaneous texts such as novels, lyrics, letters, newspaper articles, movie scripts, blogs and other social media texts using manual and automatic methods.

By the end of the course :

- * students are able to formulate a humanities or social analytics research question that can be answered by the information found in a (set of) texts of their choice
- * students are able to make the relevant information explicit by carrying out a linguistic annotations task.
- * students are able to build and apply basic text mining techniques (in particular sentiment and emotion analysis) to find the relevant information automatically.
- * students are able to reflect on the results of the automatic analysis by performing a qualitative and quantitative error analysis.
- * students are able to present their findings in a research paper.

Inhoud vak

This module addresses the process of systematic text analysis through (1) human annotation and (2) automatic analysis using text mining techniques.

Human annotations make information that is implicit in data explicit, allowing researchers to explore their data, identify patterns and answer various research questions in a methodologically sound way.

It also requires the use of some type of interpretation model and it results in an analysis that can be compared across annotators. The degree to which annotators agree or disagree (the so-called Inter Annotator Agreement) tells us something about the reproducibility of the interpretation process, the matureness of theoretical notions and the criteria used to apply them to real data.

Text mining techniques can be used to automatically find the same or similar information in text. Some of these techniques are off the shelf software, but most of them need to be built or fine-tuned to carry out a specific task. How do these techniques work? Can a machine do better than humans? Is it possible to use the automatic annotations to extract useful informations from the text and to answer research questions?

Aanvullende informatie onderwijsvormen

Lectures, Work groups (2 * 1,5 hrs each week)

Toetsvorm

Weekly assignments and a final research paper.

Aanvullende informatie doelgroep

Students in the VU Minor Digital Humanities and Social Analytics.
NB. If you want to follow this course while not being enrolled in this minor, please contact the coordinator.

Overige informatie

attendance is mandatory

Aanbevolen voorkennis

Programming Skills (Python)

Introduction to Data Science

Vakcode	E_EDS1_IDS
Studiepunten	6.00
Periode	P1+2
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. Y. Lin
Examinator	dr. Y. Lin
Betrokken Docenten	dr. Y. Lin
Onderwijsvormen	Study Group, Lecture, Written partial exam

Doel vak

For the data to tell a story, data scientists need to make use of statistics. Probability theory provides a foundation and the necessary language for statistics. The knowledge of concepts of probability theory can be used as a backbone of many important concepts in data science. This is why an introduction to data science should essentially contain elements of probability theory. This course is an elementary introduction to probability theory for data scientists. The aim is to

gain an understanding of the theoretical knowledge with an emphasis on the mathematical foundation of modeling and gain experience with applications of this theory.

By the end of this course, participants will:

- (1) have detailed knowledge of probability theory;
- (2) become familiar with concepts like axioms of probability, random variables, and limit theorems;
- (3) understand the bridge between probability theory and practice;
- (4) demonstrate a thorough knowledge of the core areas of probability theory and data science.

Inhoud vak

This course covers the topics of introductory and elementary probability theory for data scientists and it promises a comprehensive understanding of theoretical and practical applications of probability theory by bridging the theory and practice.

In particular, upon a brief discussion of combinatorial analysis, the students will be introduced to the axioms of probability and the concepts of conditional probability and independence. Then, the concept of random variables including will be discussed. This part will mainly cover discrete and continuous random variables and jointly distributed random variables. Next, the concept of expectation in probability theory will be discussed. This part will include expectations of sums of random variables, moments, and moments generating functions. Finally, students will be briefly introduced to limit theorems such as central limit theorems and laws of large numbers.

Aanvullende informatie onderwijsvormen

Lectures, tutorials, and question hours

Toetsvorm

Intermediate exam, final exam, and group assignments

Literatuur

Ross S., A First Course in Probability. Pearson New International Edition, 10th Edition, Pearson.

Casella, G. and R.L. Berger, Statistical Inference, 2nd Edition, Duxbury Press, Thomson Learning, 2002.

Aanbevolen voorkennis

This course presumes that students are familiar with basic mathematical methods.

Introduction to Digital Humanities and Social Analytics

Vakcode	L_AABAALG076
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. L. Viola
Examinator	dr. L. Viola
Betrokken Docenten	dr. H.M.E.P. Kuijpers, dr. L. Viola
Onderwijsvormen	Seminar, Lecture

Doel vak

Upon successful completion of this course, students will be able to:

- Understand and articulate the key issues and debates in digital humanities, especially concerning cultural heritage, digital methods, and the reliability of digital research;
- Critically evaluate digital tools, data, and methodologies used in DH and Social Analytics research;
- Apply digital tools to analyze humanities and social data, acknowledging the potential for bias and error;
- Demonstrate an ability to manage digital projects and create a digital humanities workflow, from data acquisition to dissemination of results;
- Collaborate effectively in interdisciplinary teams to conduct digital humanities research.

Inhoud vak

This course gets students acquainted with Digital Humanities (DH), a field that explores the intersection of digital technology and the humanities, and Social Analytics, a field that interprets digital interactions and relationships of people, topics, ideas, and content. The course provides students with the theory, tools, and methods needed to analyze and interpret digital data of interest to the humanities and social sciences. It focuses on three main themes:

1. Debates in Digital Humanities and Social Analytics
2. Computation & the Humanities: components and workflows
3. Digital methods

Students will engage in critical discussions and hands-on projects that expose them to the practical challenges and opportunities of building a digital humanities workflow as well as theoretical questions within the field of Digital Humanities and Social Analytics.

In this course, students' diversity is a resource that gives them a chance to learn from and with each other. Students mostly work in groups; in this way, they develop understanding of the value of collaboration in a DH research setting whilst becoming acquainted with DH professional practices where collaboration is the norm. This is added to the intrinsic highly multi-disciplinary nature of the Minor which can be chosen by students from any discipline.

Aanvullende informatie onderwijsvormen

Classes will consist of a combination of bi-weekly lectures, discussion, interdisciplinary group work and hands-on

practicals. Students are required to attend at least 80% of the classes. Students who fail to do so without a valid reason will be excluded from the course.

Toetsvorm

Project portfolio (70%) and engagement in discussion and practical activities (30%)

Vereiste voorkennis

Students from all disciplines are welcome; no prior knowledge is required.

Literatuur

Readings will be announced through CANVAS

Aanvullende informatie doelgroep

Students who take the University Minor 'Digital Humanities and Social Analytics'. As long as there are available places, we welcome other students of all disciplines, including international exchange students.

Introduction to Digital Innovation

Vakcode	E_MUM_IDI
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J. van Angeren
Examinator	dr. J. van Angeren
Betrokken Docenten	dr. J. van Angeren, dr. N.B. Schirmmacher
Onderwijsvormen	Study Group, Lecture

Doel vak

ACADEMIC SKILLS:

Develop the ability to understand and critically examine theories and concepts relating to digital innovation, in order to:

- Understand and examine theories and concepts relating to digital innovation;
- examine the relationship between technological development and digital innovation;
- reflect on the implications of digital innovation across different levels.

KNOWLEDGE:

Develop a fundamental understanding of the domain of digital innovation, and the main trends and issues that permeate it. More specifically, students will gain knowledge concerning the following:

- Understand what digital innovation is, what different types of digital innovation exist, what the fundamental characteristics of digital innovation are, and how digital innovation relates to novel technological developments (e.g., artificial intelligence, blockchain, internet of things, metaverses);
- describe the architecture of digital innovation and its fundamental building blocks;
- explain the impact of digital innovation on work, organizations, markets, and society.

BRIDGING THEORY AND PRACTICE:

Develop the ability to use the elementary characteristics and theories

of digital innovation to explain the fast-paced digital transformation

of organizations and industries. Specifically:

- apply theoretical knowledge about digital innovation to a real-life case
- conceive of and develop prototypes for digital tools.

SOCIAL SKILLS:

Students gain the following social and collaborate skills:

- Ability to work in a multidisciplinary teams on a real-life business case;
- present project results orally and in writing.

SELF-AWARENESS

In terms of self-awareness, students gain the following skills:

- Take responsibility for their own learning;
- open up to and deal with feedback from others.

Inhoud vak

This course introduces students to the domain of digital innovation. Digital innovation can refer to innovations in technology (i.e., the development of new technologies), innovations applying technology (i.e., the development of new products, services, processes, or business models facilitated by digital technologies), and innovation with technology (i.e., the changing innovation process). We focus on developing a comprehensive, interdisciplinary understanding of digital innovation. We define digital innovation and related terms, conceptualize the main drivers of digital innovation (i.e., digital technology), and discuss digital innovation's distinct characteristics. We pay special attention to the sociotechnical nature of digital innovation, by emphasizing the importance of the context within which digital innovations are set and used. The course also focuses on developing a better understanding of the typical architecture of digital innovation. After discussing business model innovations as a special, prevalent case and/or consequence of digital innovation, the last part of the course focuses on the implications of digital innovation for work, organizations, the structure of markets and industries, and society.

Students will also put their newly acquired knowledge of digital innovation into practice. In teams, they will be working on a real-life business case. They will develop a minimal viable product (MVP) that addresses the case at hand. The assignment will simulate the process of a typical digital consultancy assignment. Student teams will pitch their digital solutions to a designated jury of experts during a dedicated session at the end of the course.

Aanvullende informatie onderwijsvormen

Lectures

Case tutorials

Toetsvorm

Final exam - Individual assessment

Case assignment - Group assessment

Literatuur

The readings for this course consist of academic- and practitioner-oriented research papers. The (links to) required readings will be made available via Canvas.

Aanvullende informatie doelgroep

This course is the introductory module to the minor on Managing Digital Innovation, but the course is also open to students from outside of this minor, with the exception of students in (International) Business Administration at Vrije Universiteit Amsterdam.

Introduction to E-Business and Online Commerce

Vakcode	E_MFEO_IEOC
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. E. Elshan
Examinator	dr. E. Elshan
Betrokken Docenten	dr. E. Elshan
Onderwijsvormen	Lecture, Seminar

Doel vak

Learning Outcomes:

By the end of this course, students will be equipped with the foundational skills to analyze, design, and manage e-commerce operations effectively. They will also be adept at using digital tools to innovate and compete in the evolving online marketplace.

BRIDGING THEORY AND PRACTICE

KNOWLEDGE: Demonstrates theoretical and empirical knowledge concerning the relevant areas in international business administration

After successfully completing this course, the student:

- can explain current E-business practices, developments and challenges.
- can explain relevant E-business theory from the fields of information systems, economics, computer science, and logistics

APPLICATION: Can propose a solution to an international real-life business problem by applying relevant theories and methodologies.

After successfully completing this course, the student:

- can apply this theory to E-business (decision) challenges.
- can explain the impact of E-business on business practices and the development of new business models.

Inhoud vak

Course Overview:

This course provides an in-depth understanding of the dynamics of e-business and online commerce. Students will explore a range of key concepts and technologies that drive digital business today. Through twelve structured lectures, students will gain insights into both the strategic and operational aspects of e-commerce.

Course Content:

1) Introduction to E-Business and Online Commerce:

- Overview of digital business models and platforms
- The impact of new technologies on commerce including AI and Metaverse
- The role of data in digital business strategy

2) Design and Management of Online Platforms:

- Service design principles for online environments
- Business Model Innovation (BMI) in e-commerce
- Critical analysis of online marketplaces and their operations

3) Marketing and Outreach:

- Targeting and engaging Generation Z through digital channels
- The emergence and strategy behind drop shipping
- Leveraging Instagram shops and TikTok for e-commerce growth

4) Group Project:

- Collaborative project that simulates a real-world digital business challenge
- Consultations and peer reviews to refine business proposals
- Final presentation skills to effectively communicate business ideas

Aanvullende informatie onderwijsvormen

Lectures

Tutorials

Toetsvorm

Written Exam - Individual Assessment

Presentation - Group Assessment

Vereiste voorkennis

None

Literatuur

Readings will be announced via Canvas

Aanvullende informatie doelgroep

All students wanting to know more about e-business and online e-commerce

Introduction to Programming

Vakcode	XB_0099
Studiepunten	6.00
Periode	P1+2
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	J. Veltman
Examinator	J. Veltman
Betrokken Docenten	J. Veltman
Onderwijsvormen	Lecture, Practical

Doel vak

Upon completing the course:

1. Students will have working knowledge of the basic principles and concepts of programming. (knowledge and understanding)
2. Students will be able to read and write computer programs and algorithms in Python. (knowledge and understanding) (applying knowledge and understanding)
3. Students will be able to translate problems to Python, and use programming skills to solve them. (applying knowledge and understanding) (making judgements) (lifelong learning skills)

Inhoud vak

This is an introductory level programming course that teaches students how to program in the programming language Python. Rather than focusing on Python-specific topics, the course mainly focuses on general programming principles, which are also applicable to other programming languages. Students will apply those principles in several programming assignments. Throughout the course, emphasis is placed on writing clear, readable, and maintainable code.

General topics that are covered in the course include:

- Algorithms
- Data types
- Operators
- Variables
- Built-in functions
- If-statements
- Loops
- User-defined functions
- Libraries
- Classes
- Matrices
- Recursion

Aanvullende informatie onderwijsvormen

Lectures (2 times per week) and practical sessions (2 times per week). There are no practical sessions during the first week of the course.

Toetsvorm

During the course, students will submit several graded programming assignments. Additionally, there will be a written exam in the exam week of period 2. The final grade is determined by the weighted average of the grades for the programming assignments, and the grade for the written exam.

In order to pass the course, both the weighted average grade for the assignments and the grade for the exam must be at least a 5.5.

Literatuur

Materials will be provided on Canvas.

Aanvullende informatie doelgroep

Bachelor Business Analytics (year 1)

Bachelor Econometrics (year 1)

Bachelor Mathematics (year 2)

Afwijkende intekenprocedure

Registration for practical groups will happen on Canvas at the beginning of the course.

Introduction to Python for Humanities and Social Sciences

Vakcode	L_AABAALG075
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. L.G. de Passos Morgado da Costa BA
Examinator	dr. L.G. de Passos Morgado da Costa BA
Betrokken Docenten	dr. L.G. de Passos Morgado da Costa BA, dr. P.J.M. Sommerauer
Onderwijsvormen	Seminar

Doel vak

This course is meant to introduce you to the basics of the Python programming language. There is a lot to discover about Python and programming in general, and you will probably learn something new every day if you continue programming after this course. In the master-level version of the course, our goal for you is to become an independent programmer who is able to find solutions to new problems.

Knowledge and comprehension: in the first half of the course, you will:

- Become familiar with the basics of python syntax and the basic data types in python
- Learn how to use basic python tools to work with and manipulate the basic data types in the Python Standard Library

Application: In the second half of the course, you will:

- Learn how to apply your knowledge to deal with different file types (e.g., plain text, CSV/TSV, JSON)
- Learn how to use external libraries for text analysis
- Learn how to explain your code and results to others by documenting it so it can be shared

Analysis: Throughout the entire course, you will develop the following skills:

- Learn how to analyze (and debug) your own code and other people's code
- Learn how to divide a problem into small and manageable sub-problems
- Learn how to structure your code around small, self-contained, and understandable modules

Synthesis: At the end of the course, you will:

- Be able to follow a suggested structure to work on small programming projects
- Be ready to learn how to work with new libraries we have not covered in the course
- Be able to continue to develop as a programmer in an independent and self-guided manner

We will focus on readability and understandability so that you will be able to share your code and results with others, and re-use your code in the future. This is a practical course, in which you will get a lot of hands-on experience. Due to the nature of this course, active participation is required.

Inhoud vak

During this course, you will learn how to analyze text data using the Python programming language. No programming knowledge is required; we believe that anyone can learn how to program.

You will learn how to extract information from text corpora; deal with different file types (plain text, CSV, JSON). We will focus on readability and understandability of your code so that you will be able to share it with others, and reuse your code in the future.

Aanvullende informatie onderwijsvormen

The course is organized in blocks. Blocks typically follow this routine: - Lecture 1: introduction of concepts in the form of an (interactive) lecture. Students are expected to have worked through preparatory exercises and ask questions in class. - Lecture 2: The lecturer focuses on dedicating time to more difficult concepts from the block. If there is enough time, students can already start working on the assignment. Students will have the opportunity to ask for help and clarification. The deadline for an assignment is typically soon after this lecture. - Lecture 3: this lecture is a feedback session. The lecturer provides general feedback about the submitted assignments.

Toetsvorm

Assessment has three components:

1) Mid-term Exam (20%): This exam tests basic concepts in blocks 1 and 2. These concepts are the foundation of blocks 3 and 4. The exam will take place in class, at the end of block 2. To pass this course, you need a passing grade (at least 5.5).

1) Two graded individual assignments (40%): The assignments are designed to practice your programming and problem-solving skills. Moreover, they allow us to keep track of your progress, and identify topics that require more attention in class. To pass this course, each assignments needs a passing grade (at least 5.5).

2) Final exam (40%): The final exam is designed to test your knowledge of Python. To pass this course, you need a passing grade (at least 5.5).

Literatuur

To be announced on Canvas. All materials are freely available online (<https://github.com/cltl/python-for-text-analysis/tree/master>).

Aanvullende informatie doelgroep

All bachelor students who want to get acquainted with programming in Python.

Overige informatie

Students need a working computer (or laptop) with access to the command line to complete this course. Any working laptop is sufficient. Note that tablets, phones and netbooks are usually not sufficient.

Aanbevolen voorkennis

There are no prerequisites to take this course but an interest in text analysis is recommended.

Introduction to Time Series and Dynamic Econometrics

Vakcode	E_MFAE_ITSDE
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	drs. K. Moussa
Examinator	drs. K. Moussa
Betrokken Docenten	
Onderwijsvormen	

Doel vak

This course is not offered anymore. One extra exam will be offered at the end of period 1 to students that participated in the course in previous years, but did not succeed.

However, we advise the following course of actions instead of the sweep exam:

- If you followed this course as part of the regular track of the minor Applied Econometrics, it is recommended to now take the course Fundamentals of Time Series Econometrics. It is designed for students that do not have a background in econometrics (or similar quantitative backgrounds).

- If you followed this course as part of the technical track of the minor Applied Econometrics, you should follow Time Series and Dynamic Econometrics. You cannot follow the other course and maintain the label "technical track".

In other words, the course Introduction to Time Series and Dynamics Econometrics that was previously offered to both tracks has been replaced by two separate courses tailored to the chosen track:

- Regular track: Fundamentals of Time Series Econometrics

- Technical track: Time Series and Dynamic Econometrics

Inhoud vak

Consult the study guide 2023-2024 for the course description (incl. literature).

Aanvullende informatie onderwijsvormen

n/a

Toetsvorm

sweep exam, see Canvas or contact lecturer.

Introductory Econometrics for Business and Economics

Vakcode	E_MFAE_IEBE
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	J.O. Bauer
Examinator	J.O. Bauer
Betrokken Docenten	J.O. Bauer
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

By the end of this course students will have had an introduction to modern econometric techniques, that will enable them to conduct an empirical study on their own. In particular, students will be familiar with econometric methods for cross-sectional and panel data, and apply them to real-world applications in macroeconomics, finance and business.

Inhoud vak

First, a review is given of least squares estimation and testing in the simple linear cross-sectional regression model. We study the classical assumptions, and the consequences arising when these assumptions are not fulfilled. The linear model with multiple regressors is discussed using matrix notation. Furthermore, we cover maximum likelihood estimation, and models that are nonlinear in variables. Finally, an introduction to panel data analysis is given.

Throughout the course, the focus lies on developing an intuition for state-of-the-art econometric concepts. A balance is struck between theoretical derivations and empirical applications. Extensive use is made of the programming language Python, both for in-class illustration and for hands-on exercises. Students can develop and practice their programming skills using Jupyter Notebooks that provide instructions and feedback on the quality of the code.

Aanvullende informatie onderwijsvormen

Lectures (4h per week) and tutorials (2h per week). The latter are used to discuss theoretical and practical exercises.

Toetsvorm

Final written exam (85%) and practical assignment (15%)

Literatuur

Main reference: Stock and Watson (2011), "Introduction to Econometrics", Pearson, 3rd edition or newer.

Supplementary literature: Wooldridge (2013), "Introductory Econometrics: A Modern Approach", Cengage Learning, Inc. 4th edition or newer.

Aanvullende informatie doelgroep

The course is part of the regular track of the SBE faculty minor "Applied Econometrics: A Big Data Experience for All". It is targeted at students who are currently not enrolled in the Bachelor in Econometrics or a similar study program.

Overige informatie

Participation in this course is a worthwhile preparation for the remaining courses in the regular track of the Minor "Applied Econometrics: A Big Data Experience for All".

Toelichting Canvas

All materials (slides, theory exercises, practice exams, etc.) are provided on Canvas.

Aanbevolen voorkennis

This course assumes familiarity with probabilistic concepts such as discrete and continuous random variables, conditional expectations, hypothesis testing and central limit theorems, with the basics of matrix calculus, and with the essentials of regression analysis. This material, excluding matrix calculus, corresponds more or less to chapters 1-5 in the book by Stock and Watson (see literature references) and students are recommended to refresh their memory prior to the first lecture, see also Probability and Statistics: A Concise Review at <https://www.k-moussa.com/teaching>.

Islam en Europese cultuur

Vakcode	G_BATRSAL005
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit Religie en Theologie
Vakcoördinator	dr. W. Boender
Examinator	dr. W. Boender
Betrokken Docenten	dr. W. Boender
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

Na afronding van deze module:

- heeft de student een grondig inzicht verworven in de geschiedenis van islam en moslims in Europa;
- heeft de student kennis opgedaan van beeldvorming over islam en moslims in Europa in verleden en heden;
- heeft de student analytische vaardigheden verworven om deze geschiedenis kritisch te bestuderen;
- heeft de student inzicht verworven in hedendaagse sociaal-religieuze vraagstukken in Europese context;
- heeft de student inzicht verworven in manieren waarop islamitische jurisprudentie (fiqh) wordt uitgewerkt en toegepast in de context van Europa.

Inhoud vak

Maurits Berger, de auteur van het tekstboek dat we in deze cursus gaan doornemen, stelt dat "the topic of 'Islam in Europe' is more than a story told by stringing together historical events. It is a story about us, Europeans, whether Muslim or non-Muslim, of native or foreign origin, and how we struggle with our past and present in the continent called Europe, how we shape our identity and, particularly, the uneasy relationship between who we are and who we want to be" (2014:17). Om deze 'story' te begrijpen, gaan we in deze cursus diep in op de geschiedenis van engagement, vanaf het vroegste begin tot aan de meest recente tijd. We volgen enerzijds de verhaallijn van Berger, die vooral het perspectief vanuit Europa op islam en moslims belicht. Anderzijds gaan we in op verschillende manieren waarop moslims islam vormgeven in de Europese context. We belichten daartoe o.a. de

ontwikkeling van *fiqh al-aqalliyāt* (islamitische jurisprudentie voor minderheden), institutionele mogelijkheden binnen de scheiding tussen religie en staat voor bijvoorbeeld ritueel slachten, en we bespreken enkele studies over 'identity politics'.

Aanvullende informatie onderwijsvormen

Voor de colleges (maandag en woensdag) geldt een aanwezigheidsplicht van 80%.

Toetsvorm

Wekelijkse verwerkingsopdrachten (voldaan)

Tussenopdracht t.b.v. essay-paper (30%)

Eindopdracht: essay-paper (70%)

Literatuur

Aanschaffen: Maurits S. Berger, 2014, *A Brief History of Islam in Europe. Thirteen Centuries of Creed, Conflict and Coexistence*, Leiden: Leiden University Press

Aanvullende literatuur wordt aangegeven op Canvas.

Aanvullende informatie doelgroep

De module is een verplicht onderdeel van de Bachelor TRS profiel Islam en van de universiteitsminor Islam. Het is tevens toegankelijk als keuzevak.

Aanbevolen voorkennis

Er is geen voorkennis vereist.

Islamitische ethiek

Vakcode	G_BATRSAL049
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit Religie en Theologie
Vakcoördinator	dr. ing. H. Quadir
Examinator	dr. ing. H. Quadir
Betrokken Docenten	dr. ing. H. Quadir
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

Na afronding van deze module:

- heeft de student kennis over hoe islamitische ethiek wordt gedefinieerd en hoe het zich verhoudt tot het concept van akhlāq (morele waarden) en ādāb (manieren);
- Heeft de student kennis hoe islamitische ethiek gegrond is in juridische methodologie (uṣūl al-fiqh) en de maqāṣid al-sharīʿa (doeleinden van de sharia);
- beheerst de student de centrale islamitische terminologie m.b.t. islamitische ethiek;
- heeft de student zicht op hoe islamitisch ethiek zich verhoudt tot geestelijke verzorging, hedendaagse politiek en openbaar beleid;
- heeft de student zicht op de spanningen die vernieuwingen in het islamitisch ethisch redeneren in de moderniteit veroorzaken.

Inhoud vak

In deze module wordt nagegaan hoe islamitische ethiek wordt gedefinieerd en welke implicaties en implementaties het heeft tot:

- Uṣūl al-fiqh en de maqāṣid al-sharīʿa.
- Biomedische ethische kwesties en uitdagende vraagstukken in geestelijke verzorging.
- Economische en financiële kwesties.
- Vrijheid van meningsuiting in de islam en liberale democratie.
- Mensenrechten.

Ethiek is een denksysteem of theorie dat probeert antwoord te geven op wat het juiste handelen is. In deze module zullen we nagaan hoe dit in de islam is geregeld. Hiertoe zullen we eerst onderzoeken hoe islamitische ethiek is gedefinieerd en gegrond in de Schriftuurlijke bronnen van de islam en ook andere erkende bronnen.

In de colleges zullen diverse artikelen en hoofdstukken worden besproken die ingaan biomedische kwesties zoals abortus en palliatieve zorg. Ook zullen diverse maatschappelijk en politieke ethische kwesties de revue passeren.

Aanvullende informatie onderwijsvormen

Werkcolleges gedurende drie weken. In de vierde week maken de studenten het tentamen en maken zij de schrijfpdracht. De student bereidt ieder college voor d.m.v. het lezen van verplichte literatuur. Er geldt een aanwezigheidsplicht.

Toetsvorm

Schrijfpdracht (20%) (minimum cijfer 5,5)

Presentatie (10%) (minimum cijfer 5,5)

Tentamen (70%) (minimum cijfer 5,5)

[Note: De deoltoetsen moeten ieder met minimaal 5,5 behaald zijn; indien dit niet het geval is, dan dient dit onderdeel herkanst te worden.]

Literatuur

- Draz, M. A., *The Moral World of the Qur'an*, transl. D. Robinson and R. Masterton, London: I.B. Tauris, 2008.
- Mohiuddin, A., Mehrunisha Suleman, M., Shoaib Rasheed, S. & Aasim I. Padela, A.I., When can Muslims withdraw or withhold life support? A narrative review of Islamic juridical rulings, *Global Bioethics*, 31:1, 29-46, 2020. DOI: 10.1080/11287462.2020.1736243
- Kevin, R.A., "Islamic Law as Islamic Ethics." *The Journal of Religious Ethics* 186–203. 1983.
- Sachedina, A., *Islamic Ethics. Fundamental Aspects of Human Conduct*, New York: Oxford University Press, 2022.

Aanvullende informatie doelgroep

Deze module maakt deel uit van het traject Islam van de Bachelor Theology and Religious Studies en van de universiteitsminor Islam.

Islamitische theologie/Kalam

Vakcode	G_BATRSAL027
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit Religie en Theologie
Vakcoördinator	dr. M. Ajouaou
Examinator	dr. M. Ajouaou
Betrokken Docenten	dr. M. Ajouaou
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

Na afronding van deze module:

- kan de student het ontstaan en de ontwikkeling van Kalām scholen (Islamitische theologie) beschrijven;
- kan de student tenminste 5 discussiepunten onder de belangrijkste moslimtheologen uit de klassieke periode (700-1200) van islamitische theologie/ Kalām weergeven;
- kan de student de algemene principes van de islam en de principes van de mu'tazila en de repliek van Ash'ariyya benoemen en uitleggen;
- kan de student het verschil tussen islamitische scholen weergeven;
- kan de student de theologische uitgangspunten van verschillende oude en nieuwe islamitische stromingen vergelijken en analyseren;
- leert de student aan de hand van casuïstiek methodieken (kennen) om de toepassing van Kalām te vergemakkelijken;
- is de student vertrouwd met het brede spectrum en de verschillende dimensies (leer, praxis, zingeving, ethiek, ideologie) van de islamitische religiositeit en de plaats van Kalām daarin;
- kan de student daarnaast het voorgaande in de huidige context plaatsen.

Inhoud vak

Dit vak behandelt centrale thema's uit de islamitische theologie/kalam: de definities van de islamitische godsdienst, betekenis van de islamitische geloofsbelijdenis, enkele belangrijke islamitische begrippen, de zes geloofspunten en de zuilen van de islam, het begrip God en goddelijke eigenschappen, profeetschap in de islam, hiernamaals, de predestinatieleer en de vrije wil, goed en kwaad (ethiek), het begrip 'majeure zonden' en de meetlat van geloof en secularisatie. In de module komen de belangrijkste principes van de pre-Kalām scholen aan de orde (Khawāridj en Mardji'a, Quadariyya en Djabriyya) en Kalām scholen (Mu'tazila, Asj'ariyya en Maturdiyya). De studenten passen de opgedane inzichten toe op de hedendaagse religiositeit van moslims. Dit geschiedt middels casuïstiek, opdrachten en discussie in werkgroepen.

Aanvullende informatie onderwijsvormen

Hoorcolleges en werkcolleges

Toetsvorm

Schriftelijk tentamen (50%)
Tussentijdse opdrachten, waaronder een presentatie (50%)

Literatuur

- Winter, Tim (ed.). Classical Islamic Theology. Cambridge: Cambridge University Press, 2008. [Note: Deze bron is te raadplegen via de universiteitsbibliotheek.]

- Ajouaou, Mohamed. Wie is moslim? Geloof en Secularisatie onder Westerse Moslims. Zoetermeer: Meinema, 2014. [Note: Deze bron is te raadplegen via Canvas.]

- Syllabus.

Aanvullende informatie doelgroep

Alle doelgroepen

Judgment and Decision Making

Vakcode	E_MFDM_JDM
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. K.M.T. Millet
Examinator	prof. dr. K.M.T. Millet
Betrokken Docenten	prof. dr. K.M.T. Millet, F. Krywuczky
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

Academic & Research Skills:

After successfully completing this course you will be able to analyze and reflect on existing literature on judgment and decision making and apply this knowledge to examples and problems from business and public policy.

Bridging Theory & Practice - knowledge:

After successfully completing this course you will be able to understand theories, methodology (experiments and field studies) and findings on heuristics and biases in the area of judgment and decision making, from psychology and behavioral economics.

Bridging Theory & Practice - application:

After successfully completing this course you will be able to make use of theoretical knowledge and concepts such as biases, decision processes, risk perception to understand and analyze human decision making in practical settings (business and policy decisions, but also settings).

Inhoud vak

This course provides an overview of scientific research on judgment & decision making, where psychology and economics collide and collaborate to understand human behavior. It provides you with the basic knowledge of theories, concepts and methods that is necessary to understand how decisions are made. The course is inspired by the groundbreaking, nobel-prize winning work of Tversky and Kahneman (Nobel prize 2002), Thaler (Nobel prize 2017) as well as other seminal work and research programmes of other leading thinkers in the field (and society). One of the main topics of the course will be the question of how and when humans deviate from rational thinking. This is captured by a well-documented array of heuristics and biases, that help us to make reasonable and accurate decisions in some areas, but may crucially

misguide us in others. We will discuss eye-opening research that documents several well-known biases as well as focus on mental accounting, loss/gain framing, forecasting, visceral influences, motivated reasoning and (dis)honesty.

Aanvullende informatie onderwijsvormen

Lectures and tutorials

Toetsvorm

written exam – individual assessment
(interim) assignment – group assessment

Literatuur

a set of academic articles (tba)

Aanbevolen voorkennis

Well-trained in academic method and thinking (i.e., completed the first two years of an academic bachelor).

Law and Ethics of Reproductive Technologies

Vakcode	R_LERT
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	prof. dr. mr. B.C. van Beers
Examinator	prof. dr. mr. B.C. van Beers
Betrokken Docenten	prof. dr. mr. B.C. van Beers
Onderwijsvormen	Seminar, Lecture

Doel vak

This interdisciplinary course explores the bioethical, biolegal and biopolitical dilemmas that are raised by technological developments at the intersection of reproductive medicine and genetics.

This course will enable the student to critically reflect upon legal and ethical dimensions of current public debates on the regulation of assisted reproductive technologies. This course will teach the student to come to an understanding of the key concepts and categories within legal regulation of reproductive technologies, and to connect these with various normative ethical theories.

Through an examination of the existing legal frameworks surrounding reproductive and genetic technologies from the perspectives of law and bioethics against the background of ongoing contemporary political and societal discussions, the student will be trained to integrate ethical reasoning, daily practices and legal rules and regulations into a normative evaluation of these technologies. In this process the student will be encouraged to take a legally and ethically argued position in scientific debates on current developments in the field of assisted reproductive technologies through written and oral presentations of a legal and philosophical nature.

Inhoud vak

Technologies at the intersection of reproductive medicine and genetics

offer new ways of creating human life. These technologies make it possible to assemble, genetically screen, choose and, possibly, even design one's future children. How can societies decide who may access these technologies to create which kinds of children? Which rights, whose rights and which public values should be taken into account within the regulation of this complex field? And what are the legal and ethical limits to these currently emerging forms of 'liberal eugenics'?

The general focus in this course will be on the role and meaning of human rights and human dignity for the regulation of assisted reproductive technologies.

Topics in this course include:

- law and ethics of prenatal testing
- selective reproduction and 'designer babies'
- reproductive markets and reproductive tourism
- reproductive rights
- gestational and commercial surrogacy
- wrongful life claims
- the welfare of future children
- sperm and egg cell donation/selling
- eugenics and human enhancement
- the status of embryos and gametes

As students in this course are invited to discuss recent reproductive technologies and trends against the background of legal, ethical and societal approaches, this course fits in very well with the VU law school's focus on 'law in action'.

Aanvullende informatie onderwijsvormen

This 3 week course will be taught through interactive tutorials and lectures.

Toetsvorm

Written open-book exam.

Literatuur

All literature will be made available on Canvas, and will include legal and philosophical academic literature, legal and political documents, policy reports, news articles and audiovisual materials.

Aanvullende informatie doelgroep

Because this course is also part of a university minor (Technology, Law

and Ethics), it is open to students from various academic backgrounds.

Apart from regular students, the course is also available for:

Students from other universities/faculties

Exchange students

Contractor (students who pay for one course)

Aanbevolen voorkennis

No special knowledge of law, philosophy or bioethics is required to be able to participate in this course. A basic knowledge of human rights and a keen interest in the contemporary dilemmas surrounding reproductive technologies are a plus.

Leadership: Mobilizing People

Vakcode	E_MFDM_LMP
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. R. Wilms
Examinator	dr. R. Wilms
Betrokken Docenten	dr. R. Wilms
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

The term “leadership” often connotes images of powerful, dynamic individuals who direct corporate empires or shape the course of nations. However, we are also more directly confronted with leadership in our workaday world: in class, at our jobs, in our sports teams, during group assignments, and so forth. Leadership can take many forms. It can be shared, for example, and (organizational) change can be initiated bottom-up. Leadership, after all, is as much about the leader as it is about the people she or he is trying to mobilize.

After successfully completing this course, participants:

- can analyze and critically reflect on existing literature on leadership and related areas, and translate this knowledge to different settings.
- understand the theoretical and methodological domain of leadership research;
- are able to structure and solve practical issues in the area of leadership and management by applying relevant theoretical and methodological concepts;
- can reflect on their own leadership in practice.

Inhoud vak

Leadership is a subject that has long excited interest among scholars and practitioners alike. Whether it concerns a business corporation, an athletic team, or a team project in class, there seems to be a persistent assumption that the leader has a crucial role in the organization’s or team’s success. This course on leadership, which combines and integrates leadership theories and research, will help you understand both historical and everyday examples of leadership. Leaders must be able to manage information, diagnose problems, negotiate with others, and make effective decisions, as well as coordinate and motivate the human and social capital of their organizational members. They are held accountable for the organizational outcomes, but increasingly also for ‘their’ organizational cultures. This course aims to prepare you to understand and meet these challenges by familiarizing you with leadership theories, and providing you with practical experiences through case studies and experiential activities.

Aanvullende informatie onderwijsvormen

Lectures and tutorials

Toetsvorm

individual assessment
Group assessment

Literatuur

To be announced

Afwijkende intekenprocedure

N/A

Leading Organizational Change

Vakcode	E_IBK3_LOC
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. K.A. Stephenson
Examinator	dr. K.A. Stephenson
Betrokken Docenten	dr. K.A. Stephenson
Onderwijsvormen	Seminar, Lecture, Instruction course

Doel vak

Leading organizational change 3.4 is an introductory guide for future change agents in organizations. Organizational transformations are events where leadership and change management are key to success. Through this course, students will engage with the most recent scientific knowledge on change management as well as develop the skills that they will need “on the ground” as a leader of change. This course’s unique focus on leadership of change will help you navigate

yourself and others through uncertainty.

After successfully accomplishing Leading Organizational Change you will be able to...

- systematically analyze a practical change-related problem and come up with a plan of action, and develop the sensitivity necessary to use the right arguments for different audiences. (Bridging theory and practice)
- be familiar with the generative processes that give rise to leadership, planned organizational change, and the connection between these two. (Bridge theory and practice)
- be familiar with the practical problems which business leaders and change consultants face when managing organizational change. (Bridge theory and practice)
- recognize and deal with the unique challenges and contingencies that come with different types of organizational change.
- work in a new team, ‘read’ the social environment, and the skills to give a presentation in a simulated business environment, where different stakeholders hold different values and beliefs and have different interests. (Social Skills, Self-awareness)
- be more aware of one’s tendencies as a leader and follower in different organizational change situations. (Broaden your awareness)

Inhoud vak

After completing this module you will have a basic understanding of the challenges organizational changes pose for

leaders, as well as how to continue developing yourself as a future leader of change.

We cover topics of different perspectives on organizational change, leading change, change communication, and resistance.

Aanvullende informatie onderwijsvormen

Each week we have multiple meetings designed to help you develop yourself as a change leader in different ways. During theoretical lectures, you will engage with theories of organizational change and leadership. On during practical lectures you will learn and tinker with tools for diagnosing, planning, implementing, and reflecting on change. During the tutorials, you take the wheel and practice leading the class's learning.

Toetsvorm

Individual and team assessments.

Literatuur

Textbook:

Sveningsson, S., & Sörgärde, N. (2019). *Managing Change in Organizations: How, what and why?*. SAGE Publications Limited.

Weekly 2 academic articles (to be announced!)

Aanbevolen voorkennis

BK: 1.5 HRM & Organisatiegedrag; 2.5 KWANO IBA: 2.1 HRM & OB; 2.4 HRM Practices – A Global Perspective; 2.4 BRM I –

Quantitative

Linear Algebra

Vakcode	X_400638
Studiepunten	6.00
Periode	P1+2
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. S.D. Barthel
Examinator	dr. S.D. Barthel
Betrokken Docenten	dr. S.D. Barthel
Onderwijsvormen	Lecture, Seminar, Written partial exam

Doel vak

After this course...

1. ...the student is able to solve linear systems of equations.
2. ...the student is able to invert matrices, and to characterise (non)invertible matrices.
3. ...the student is able to compute the determinant of a matrix, and to use it in different linear algebra contexts.
4. ...the student can apply the theory of vector spaces to linear algebra problems, can calculate a basis for (sub)spaces.
5. ...the student can calculate the eigenvalues and eigenvectors of a matrix, can perform a diagonalisation, and can use these techniques to

study linear difference equations.

6. ...the student can orthogonalise a set of vectors, can work with inner products and norms, and can perform projections on subspaces.

7. ...the student can show whether a quadratic form is positive or negative definite, and can perform a Singular Value Decomposition.

8. ...the student can prove small linear algebra theorems in a logical mathematical argument.

Inhoud vak

The following subjects will be covered in this course:

- solving systems of linear equations;
- linear (in)dependence;
- matrix operations;
- determinants;
- vector spaces and subspaces;
- basis and dimension of vector spaces;
- rank of a matrix, the rank theorem;
- coordinate systems and changes of basis;
- eigenvalues and eigenvectors;
- diagonalisation of matrices;
- LU and QR factorisations of a matrix;
- inner product, length, orthogonality;
- orthogonal projections, method of least squares;
- symmetric matrices and their orthogonal diagonalisation;
- quadratic forms;
- singular value decomposition of a matrix

Aanvullende informatie onderwijsvormen

Every week there are two lectures and one exercise class, of two hours each.

Toetsvorm

This course has two written exams, one in each period.

The Mathematics students additionally have four short written tests made during the tutorials. You will have passed the course if you meet the following requirements:

- at least a 5.0 for the first exam;
- at least a 5.0 for the second exam;
- at least a 5.5 on average;

The two exams and (for Mathematics students) the short tests together form your final grade as follows:

- a) for students in Econometrics & OR: 40% for exam 1 and 60% for exam 2.
- b) for students in Mathematics: 30% for exam 1, 50% for exam 2, and 20% for the average of the short tests.

Mathematics students that cannot or do not have to take part in the tutorials/short tests (as decided by the study advisor, for example part time

students) receive their final grades using the rules for Econometrics & OR students, so 40% for the first exam and 60% for the second.

Your final grade is rounded to the nearest half point, taking into account that averages between 5.0 and 6.0 are rounded to the nearest integer.

Resits:

In case you failed the course, you need to take a resit to pass the course, an exam that covers the entire contents of the course. For mathematics students: the short tests form part of your resit grade, for 20%, if and only if this yields a higher final grade. For Econometrics & OR students, only the resit exam counts towards your resit grade.

Literatuur

David C. Lay, Stephen R. Lay and Judi J. McDonald, Linear Algebra and its Applications, 5th edition, Pearson Global Edition, ISBN-139781292092232

Aanvullende informatie doelgroep

Bachelor Mathematics Year 1, Bachelor EOR Year 1

Aanbevolen voorkennis

High school mathematics

Machine Learning for Econometrics and Data Science

Vakcode	E_EDS3_MLEDS
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J.N. van Brummelen
Examinator	dr. J.N. van Brummelen
Betrokken Docenten	dr. J.N. van Brummelen
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

The aim is to provide you with the theoretical foundations of what Machine Learning actually is and what it can claim to achieve. More specifically, the aim is to equip you with the necessary notions, concepts and mathematical tools to understand what underpins virtually all supervised learning algorithms and to derive fundamental learning guarantees.

Inhoud vak

Machine learning originates from computer science and statistics with the goal of exploring, studying, and developing learning systems, methods, and algorithms that can improve their performance by learning from data. This course is designed to provide students an introduction to the main foundations of machine learning. We adopt principles from probability (Bayes rule, conditioning, expectations, independence), linear algebra (vector and matrix

operations), and calculus (gradients,

Jacobians) to propose a formal analysis of the performance of machine learning algorithms.

Focusing on the supervised learning framework, we formalise the problem of learning to predict based on a sample of 'examples'. We introduce the notions of predictor, generalisation risk, Bayes risk and target function, empirical risk, models and empirical risk minimisation, learning rules, approximation and estimation error decomposition, and derive learning guarantees under different classification and regression frameworks. We relate these notions to machine learning principles such as model selection, overfitting, and techniques such as cross-validation. We also study support vector machines and relate them to the theoretical notions that we treat in the course.

Aanvullende informatie onderwijsvormen

Lectures (4 hours, each week) and Tutorials (2 hours, each week)

Toetsvorm

Written exam and an assignment

Literatuur

Main reference:

M. Mohri, A. Rostamizadeh, A. Talwalkar, Foundations of Machine Learning

(Second Edition, 2018), MIT Press.

Supplementary:

T. Hastie, R. Tibshirani and J. Friedman, The Elements of Statistical

Learning: Data Mining, Inference, and Prediction (Second Edition, 2009),

Springer.

Aanvullende informatie doelgroep

The course is targeted at students in the bachelor track Econometrics and Data Science (EDS), but is also suitable for students in the main Econometrics and Operations Research (EOR) bachelor track or students enrolled in other bachelors who are interested in the foundations of machine learning. For those who come from other programmes, it is important to know that knowledge of calculus and probability theory at an intermediate level is required to be able to follow this course. Also, basic programming skills in Python or R are required.

Toelichting Canvas

All course materials will be made available on Canvas.

Aanbevolen voorkennis

Intermediate level of Linear Algebra, Calculus, Probability Theory, Statistics and Econometrics.

Macroeconomics I

Vakcode	E_EBE1_MACEC
Studiepunten	6.00
Periode	P4
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. B.A. Brugemann
Examinator	dr. B.A. Brugemann
Betrokken Docenten	dr. B.A. Brugemann, M.J. van der Meijden BSc
Onderwijsvormen	Study Group, Lecture, Instruction course, Written partial exam

Doel vak

BRIDGING THEORY AND PRACTICE - Knowledge

After successfully completing this course, you can demonstrate knowledge of the fundamental concepts that economists have developed to think about the performance of economies as a whole in the short and long run.

BRIDGING THEORY AND PRACTICE- Application

After successfully completing this course, you can connect arguments about macroeconomic issues in the news and public debate to relevant macroeconomic concepts and empirical evidence. Conversely, you can use such concepts and evidence in a critical way to participate in the public discussion of concrete macroeconomic issues.

Inhoud vak

Macroeconomics studies the performance of economies as a whole: of national economies such as the Netherlands, of groups of countries such as the European Union, or the global economy. This performance has a major direct impact on the well-being of everyone, including yourself. Most likely it will also influence the decisions you will make as a future professional economist, both for jobs in business and in the public sector.

Macroeconomics studies economic performance in the short run as well as in the long run. Here the short run refers to next couple of years, and in this context macroeconomists study issues such as recessions and financial crises. The long run includes issues such as technological change and economic development.

In this course we take discussions of two concrete macroeconomic issues in the news and in the public debate as our starting point for exploring the fundamentals of macroeconomics. The first issue is how macroeconomic policy in the Euro area should deal with the current situation of slowing inflation and slow growth (this was the issue studied by the course in 2024, the actual issue for 2025 will be determined by current developments). This is primarily related to the short run, which is our focus in Weeks 1-3.

In Weeks 4-6 we switch to the long run. Here you and all your fellow students will vote in Week 4 to choose an interesting issue that is currently in the news and public debate. To narrow things down a bit, this year we choose an issue within the broad theme of the macroeconomic role of demographics and migration (again, this is the broad theme we focused on in 2024, and it may change for 2025 based on current developments).

The main thing we do in the course is to examine how the findings of academic macroeconomics can help us better understand the two concrete issues. By studying the course materials we develop knowledge of fundamental concepts. We apply this knowledge by revisiting the arguments and views that we encounter in the news and public debate, examining whether they are consistent with each other, and potentially noticing limitations of the academic understanding of macroeconomics.

One of the main assignments in the course is a column that is inspired by the well known economics substack Noahpinion. As a starting point, you identify discussions in the news and public debate, and write a column that makes connections between the arguments in these discussions and the concepts we studied in the course.

Aanvullende informatie onderwijsvormen

In this course we follow use Active Blended Learning (ABL), which is one of the key design principles of education at VU. In particular, we use an approach called flipped learning, which is becoming more common at all levels of education and you may already be familiar with it from other courses or school. Here we just explain the basic idea and how we implement it. The explanation may look a bit lengthy at first sight. But reading it is a worthwhile investment and will set you up for success in this course.

The key idea of flipped learning is to match up the difficulty of learning outcomes with the access to help and support from teachers and peers. You work on more advanced outcomes when teachers and peers are available to help, and on more basic things by yourself. In macroeconomics and other fields, the simplest learning outcome is a basic knowledge of concepts. For example, the definition of the inflation rate is relatively straightforward and

explained very well in the textbook, so you can attain a basic knowledge of this concept by yourself. More advanced outcomes involve the ability to apply this knowledge, for example working out step by step in an economic model how a change in the interest rate set by the ECB changes the inflation rate, explaining this mechanism in your own words, and connecting this to what Christine Lagarde said about the latest ECB decisions.

In this course you have the most access to help from teachers and peers in class meetings and workgroups. Thus, this is where we work on more advanced outcomes. Of course, one needs to attain the basic outcomes before being able to work on the advanced ones. Thus, you work on attaining the basic outcomes by doing a Guided Preparation Assignment (GAP) before the corresponding meetings.

Attaining advanced outcomes usually requires that you actively do something. You cannot learn how to do a handstand only by listening to someone talk about it, you have to actively practice doing it. Similarly, to be able to study the effects of a policy change in a macroeconomic model, you need to actively do it. Thus, active learning plays an important role in class meetings and especially in workgroups. For example, in class meetings we may ask you to discuss the application of a concept with your neighbours. In workgroups, you may solve analytical problems and/or discuss whether you find the implications of a theoretical analysis convincing.

This approach is called flipped learning because in traditional education the sequence of learning activities is often reversed. All concepts including basic ones are introduced in lectures, with the option to ask questions but often little opportunity to actively engage with the concepts. Much of the more advanced work like applications takes place outside of class meetings, when support from teachers and peers is less readily available.

In this course, since you do a GAP before class meetings, the meeting itself does not cover all concepts via lecture. This does not mean that there is no lecturing at all. The activities we do often reveal that there are still some misconceptions, which we can then address through short lectures. We also use a few mini lectures to introduce some challenging content that is not covered in our textbook.

The GAPs provide detailed instructions about which course materials to study and which basic outcomes you are expected to attain. They also mention the more advanced outcomes we work on in meetings, so that it is clear that you are not expected to already attain them in the preparation. The GAPs provide multiple-choice questions about the basic outcomes, allowing you to actively engage with the concepts while studying and get some immediate feedback on whether you are on the right track.

When working on the GAPs you also make annotations on the social e-reader Perusall, which is a tool available in Canvas for collaboratively annotating readings, video, and audio. You will be in a group with the same people that are also in your workgroup. You can ask questions, make comments, respond to questions and comments from your peers, and include teachers in the conversation with an @-mention. This is another way of actively engaging with the concepts, and also gives you some support from peers and teachers outside of the face-to-face meetings.

Your receive credit for your work on each GAP in two ways: by achieving a passing score for the quality and quantity of your annotations in Perusall, and by passing an individual quiz.

Toetsvorm

Exam 1 (digital) – Individual assessment: 35%

Exam 2 (digital) – Individual assessment: 35%

Guided Preparation Assignments (Annotations in Perusall & Pass/fail individual quizzes), 15%

Column – Group assessment, 15%

Vereiste voorkennis

None.

Literatuur

As our primary resource, we use the free open access ebook The Economy by CORE Econ. The book is available at <https://www.core-econ.org/>.

Aanvullende informatie doelgroep

The course is intended for students of the Bachelor's Economics and Business Economics, the Bachelor's Econometrics and Operations Research, and the Bachelor's Econometrics and Data Science, but could be of interest to Bachelor students of any faculty.

Aanbevolen voorkennis

Some concepts from microeconomics: graphical analysis of constrained optimization problems in two dimensions; simultaneous games with two actions

Some concepts from mathematics: algebraic solution of linear equations

Management Accounting

Vakcode	E_EBE2_MANAC
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. Q. Ruan
Examinator	dr. Q. Ruan
Betrokken Docenten	dr. N. Detzen, dr. Q. Ruan
Onderwijsvormen	Seminar, Lecture, Written partial exam

Doel vak

During this course you will learn how to use the academic literature to understand how companies use management accounting methods and how research is conducted in this discipline (Academic and Research Skills, Bridging Theory and Practice - Knowledge). You will learn how to set up your own research for your bachelor and master thesis and how to reflect critically on management accounting research (Academic and Research Skills). You will gain insight into various management accounting techniques and the influence of these techniques on the behavior and decisions of managers (Bridging Theory and Practice - Knowledge).

More specifically you will learn:

- reasons why companies choose particular management accounting techniques;
- how management accounting techniques influence human behavior and decision making;
- that management accounting techniques are designed on the basis of different economic and behavioral theories;
- that management accounting is a dynamic discipline in which published research constantly generates new insights;
- that management accounting is an evidence-based discipline;
- how to translate insights from the scientific literature into the way in which management accounting techniques are applied in practice.

Furthermore you get:

- Insight into a wide range of topics that you could examine during your bachelor and master thesis;
- by presenting and commenting on articles you understand the strengths and weaknesses of published research.

Inhoud vak

During Accounting I and Accounting II you have mastered the operation of all accounting methods. In this course

we will (i) analyze why companies choose certain management accounting methods and (ii) examine how individual managers and employees react to accounting information. We do this by discussing empirical accounting literature.

Aanvullende informatie onderwijsvormen

(Online) Lectures, Working groups and Q&A sessions.

Toetsvorm

Presentation/discussion/review papers (group assessment);

Interim test (individual assessment);

Written examination (individual assessment).

Literatuur

Syllabus Management Control and a set of articles. In addition to the syllabus (which can be downloaded via Canvas), 6 articles from the

scientific literature are discussed each week. See Canvas for a file with links. Via these links you can download the articles, via ub.vu.nl, electronic journals.

Aanbevolen voorkennis

Accounting I and II, Academic Skills, Quantitative Research Methods I and II.

Management Consulting and Strategic Change

Vakcode	E_IBK3_MCSC
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. S. van Baarle
Examinator	dr. S. van Baarle
Betrokken Docenten	dr. S. van Baarle, dr. M. van Grinsven
Onderwijsvormen	Study Group, Lecture

Doel vak

Heraclitus, a Greek philosopher, said “change is the only constant in life”. This certainly holds true for organizations. In the span of just over a decade they have had to wither a global financial- and economic crisis, relentless digitalization, climate change and the outbreak of the covid-19 pandemic. In short, organizations are facing various strategic challenges and need to consider how to manage and respond to these challenges. Typically, this involves change and consultants play a significant role within these organizational change processes.

The course “Management Consulting and Strategic Change” draws on essential themes around consulting and change and in both theory and practice you will analyse these themes from different viewpoints. An important part of the course is that you gain experience with change processes and the work of consultants. You learn to develop your own opinion about these important themes and by meeting and interviewing consultants you are also asked to draw on the themes discussed in the

lectures to critically reflect on an actual consulting project in your case assignment. Overall, you develop analytical skills that are useful for your future academic work (e.g., thesis writing) as well as any advisory function.

The course focuses on the following learning goals:

Bridging theory and practice (knowledge):

- Develop your own position and argumentation in relation to the topics discussed during the course.
- Critically reflect on the key underlying assumptions and arguments developed in the literature and position them in relation with each other.

Bridging theory and practice (application):

- Critically examine the connection between the themes discussed in the lectures and how these appear in real-life change and consulting projects.

Social skills:

- Contact, interview and engage with consultants in the field.
- Organize your work in a team

Inhoud vak

The course offers a mix of theoretical and practical elements. First, a series of lectures is dedicated to an exploration of various important themes that help you to better understand consulting and change. Typical topics one can think of are “The consultant-client relationship”, “The ethics of consultants”; “Change management”; “Employees & resistance”; “Management fashions” and “The impact of management ideas”. A thorough understanding of these topics opens up opportunities for an engagement with the more practical elements of consulting and change and the chance to ‘experience consulting and change’. Here you will be asked to draw on the themes and theories discussed during the lectures and to reflect on an actual consulting project. We also aim to include interactions with change managers and/or consultants.

In short, the course combines theoretically informed analytical rigour with practical relevance. This helps you academically but also gives you a glimpse of a top career choice for many BA/IBA graduates: consulting/change management!

Aanvullende informatie onderwijsvormen

Lectures and seminars

Toetsvorm

To be announced

Literatuur

To be announced

Aanvullende informatie doelgroep

The course is very useful for students BK/IBA who are interested in following the bachelor specialization Management Consulting. Moreover, looking ahead at your master, the course is an excellent starting point for those of you who next year want to pursue further studies in the domains of Management Consulting, Leadership & Change Management or Strategy & Organization. Moreover, the course is relevant for anyone (also beyond BK/IBA) who is interested in change processes and for those who wonder whether one of the most popular careers among business administration students, namely that of a consultant, can be a good start for you!

Aanbevolen voorkennis

For BK: Management & Organisatie; Academische Vaardigheden; Integratieperiode; Strategie; Onderzoek & Advies; Foundations of Strategic Management. For IBA: Organization Theory; Academic Skills; International Strategy; Integrative Research Project; Foundations of Strategic Management.

Managing and Improving Quality

Vakcode	E_IBK3_MIQ
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. ir. D. van Goubergen
Examinator	dr. ir. D. van Goubergen
Betrokken Docenten	M. Karimi Mamaghan, dr. ir. D. van Goubergen
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

Academic and research skills

- Student is able to understand the role of quality management in organizations and how it can speed up introduction of new products, reduce quality costs, and engage all employees to deliver according to the customer requirements.
- Student can critically reflect on techniques and methods introduced in the literature of quality management.

Bridging theory and practice

- Student is able to analyse shortcomings in a process that may happen in different stages and investigate the main sources of such problems.
- Student can identify and describe quality issues of a production or service operation using standard methods.
- Student is able to identify and select appropriate quality measures and management techniques with regard to a quality issue in order to quantify, control, analyse, and improve the problem.

Social skills

- Student is able to take on different roles in a team, cooperate and interact with other students.
- Student can present and defend their analyses and findings of quality problems.

Inhoud vak

Quality problems usually are the outcome of uncontrolled or excessive variability in product, process or service characteristics that are critical to the customer. Statistical tools and other analytical methods play an important role in solving these problems. However, these techniques need to be implemented within a management structure that will ensure success. We focus on both the management structure and the statistical and analytical tools. We focus on the following aspects in the course:

- Management aspects of quality
- Statistical process control
- Acceptance sampling
- Process Design
- Quality Function Deployment
- Design of experiments for improving quality
- Lean methodology

We furthermore aim to involve students in the process of performing a quality assessment and improvement cycle by studying a real-life case.

Aanvullende informatie onderwijsvormen

Lectures
Tutorials

Toetsvorm

Individual and group assessment

Literatuur

To be announced

Aanbevolen voorkennis

For BK:

1.1 Bedrijfsprocessen; 1.2 Wiskunde voor Bedrijfskunde; 1.4 Statistiek voor Bedrijfskunde; 1.5 Supply Chain Management I; 2.4 Supply Chain Management II

For IBA:

1.1 Business Mathematics; 1.4 Global Supply Chain Management; 1.4 Business Statistics; 1.6 Business Processes; 2.5 SCM in Emerging Economies

Managing Negotiations: Getting to Yes

Vakcode	E_MFDM_MNGY
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. A. Bäker
Examinator	dr. A. Bäker
Betrokken Docenten	dr. A. Bäker
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

- Students will enhance their analytical ability and be able to identify the need for negotiation skills in an organizational context (Academic and Research Skills)
- Students will learn (1) how to negotiate in a strategic and rational way, (2) which psychological aspects come into play during negotiating and (3) what are the cross-cultural differences in negotiations (Bridging theory and practice - Knowledge)
- Students will apply the knowledge gained from the lectures in role play simulations during tutorials (Bridging Theory and Practice - Application).
- Students will work in teams and practice negotiation skills in tutorials (Social Skills).
- Students will better understand how they can successfully negotiate in real-life situations (Self Awareness).

Inhoud vak

Negotiation is all around you, whether it concerns international disputes, labor agreement negotiations, or a discussion at home about who does the grocery shopping. To solve these conflicts successfully, you have to negotiate. Therefore, the overall theme of this course in the minor program, is to become an effective negotiator, meaning that no money is left on the table. Throughout the course, we combine theoretical knowledge from the lectures with practical exercises (role-play simulations). The three parts of the course are:

Part 1: How to negotiate in a strategic and rational way?

Part 2: Which psychological aspects come into play during negotiations?

Part 3: How does a cross-cultural setting affect negotiations?

Aanvullende informatie onderwijsvormen

Lectures (2 lectures each week, 12 in total)

Tutorials (1 tutorial each week, 6 in total) incl. role-play simulations and team presentations

Toetsvorm

Individual assessment

Group assessment

Literatuur

Book: Fisher, R., Ury, W. & Patton, B. (2012). Getting to Yes: negotiating an agreement without giving in. Random House Business Books. ISBN 9781847940933.

Articles: To be announced via Canvas

Aanbevolen voorkennis

Academic Skills, BRM1, BRM2, Research Project

Managing Technology Processes

Vakcode	E_IBK3_MTP
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	K.C. Cepa
Examinator	K.C. Cepa
Betrokken Docenten	K.C. Cepa
Onderwijsvormen	Study Group, Lecture

Doel vak

Academic & research skills: In this course students learn to critically evaluate (digital) technology management processes from academic literature and popular management press.

Knowledge: In this course, students gain theoretical understanding concerning:

- innovation types and the external innovation environment including innovation trajectories, standards, platforms, and ecosystems
- the development of (digital) technology strategies and their operationalization in project selection, collaboration, and protection
- the product and (digital) technology development process

Bridging theory and practice: The course offers insight into the strategic importance of technological innovation for firms and society and into recent developments in technology and innovation. Furthermore, through this course, students will develop skills to analyze real-life cases.

Inhoud vak

This course focuses on the management of technology processes in organizations. Technology processes refer to how organizations use (digital) technologies to develop and implement new products, services, processes and business models and is crucial for business organizations to stay competitive in ever changing markets. In this course, students expand their basic understanding of digital innovation, apply basic theories behind the processes of technology-based innovation within organizations and their environments, learn about the management of innovation trajectories, and the organizational implementation of technology development. Theoretical understanding is applied in a simulation game and real-life cases focusing on managerial dilemmas in the management of technology processes.

Aanvullende informatie onderwijsvormen

Lectures

Tutorials

Toetsvorm

Practical assignments - Group

Practical assignment - Individual

Written exam

Marketing Sustainable Innovations

Vakcode	E_MFS_MSI
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	K. Subrtova
Examinator	K. Subrtova
Betrokken Docenten	K. Subrtova
Onderwijsvormen	Study Group, Lecture

Doel vak

Marketing sustainable innovations is a subject that is truly interdisciplinary in nature. Students will study various perspectives of marketing, driven from an innovation, psychology, value and behavioral economics point of view (*Bridging Theory and Practice: Knowledge*). As a result, this course will challenge students to examine and understand sustainability issues from different perspectives, abstract those insights relevant to specific consumer-related problems when marketing such innovations, and build a well-argued case for successfully launching sustainable innovations (*Academic Skills*).

Being the last subject in the minor Sustainability: Management and Innovation, this course brings together insights from previous courses, not just from a theoretical but also a practical point of view. Building upon the previous period where students learned about developing and designing sustainable innovations, this course takes students to the final stage in effectively launching that innovation into the market. Based on the insights learned in this course, students will develop a marketing plan for a business case in collaboration with a company (*Bridging Theory and Practice: Application*).

This assignment is completed in a boot camp-style setting, where you work intensively during a short time period in a team setting (*Social Skills*). Such 'pressure-cooker' situations challenge you to source various skills to create not only optimal content (a marketing plan) but also an effective team, where tasks and time are managed well and you can constructively reflect on your own as well as your team members' performance (*Self-awareness*).

Inhoud vak

Despite efforts involving consumers in the early stages of innovation, sustainable products and services often struggle with limited take-off. As an (international) business professional, but also as a sustainability consultant or policy maker, it is crucial to understand the mechanisms that drive the adoption of sustainable innovations.

Building on the preceding subjects in the minor Sustainability: Management and Innovation, this course analyzes the final element in the value chain; bringing sustainable products and services to the market. The course starts with a stakeholder marketing perspective, specifically focusing on the consumer and how that consumer acts within a network of stakeholders. We further discuss relevant insights from innovation, psychology, behavioral economics, and consumer value research to gain a better understanding of what affects actual consumer behavior. The course ends with a bootcamp in which, in collaboration with a company, students develop an attractive marketing plan that takes all stakeholders into account. This will challenge students to connect and integrate knowledge and insights from different subjects and help to recognize how various elements of the value chain and value network need to be aligned to create a successful sustainable product or service.

Aanvullende informatie onderwijsvormen

Classroom discussions, tutorials, presentations on Friday last week (all in-person).

Toetsvorm

Group project assignment – Group assessment

Group and in-Class participation – Individual assessment

Literatuur

This course is article based.
Readings will be announced on Canvas.

Aanvullende informatie doelgroep

This course is part of the Minor Sustainability and Innovation. This minor can be followed by all SBE bachelor students. In addition, advanced bachelor students (third year) from other faculties, as well as other universities, are welcome to join. Particularly those with an interest in Business and Organization Studies, Economics, Social Sciences, Social Psychology, Healthcare, Media and Communication Studies, Engineering, Technology Management, Operations Management and

Education.

It is especially interesting for:

- Future managers who want to understand how sustainability can be implemented in existing business
- Entrepreneurs / intrapreneurs that want exploit the opportunities sustainability offers
- Future consultants in sustainability, strategic business consultants, of government policy consultants
- Students that want to be active in NGO's or other societal organizations

Overige informatie

Students are expected to attend the classes and tutorials (mandatory) and take an active role as learners because the exchange of ideas and discussions are core to the learning experience. As a student, you are expected to be responsible and accountable not only for doing your individual work but also for contributing to the learning and growth of your classmates. As instructors, we will create a safe, kind, warm and welcoming environment to foster such connections and expect that you show up - physically, mentally, psychologically - to push the discussions forward. This class is not suitable for those, who want to sit back and be a one-way recipient of information. Rather, you are expected to bring and contribute to the knowledge and skills, deepen the collective thinking and move the conversation forward.

We have designed the assessments to reflect this pedagogy. Anything we discuss during the class discussions and tutorials (what is included in the slides as well as whatever we discuss that might not be included in the deck) as well as any required preparation (e.g., readings, exercises, videos, surveys) are all fair game. In other words, attending and actively participating in the class discussions and tutorials as well as thorough preparation are necessary to do well in the final assessment.

Aanbevolen voorkennis

This course is part of the Minor Sustainability: Management and Innovation. This course builds on the courses of the minor in period 1 and 2. Additionally, knowledge of basic marketing principles or marketing management is recommended.

Microeconomics II

Vakcode	E_EBE2_MICEC
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. H.G. Bloemen
Examinator	dr. H.G. Bloemen
Betrokken Docenten	dr. H.G. Bloemen
Onderwijsvormen	Seminar, Lecture, Instruction course

Doel vak

After successfully completing this course, you:

Academic and Research Skills:

- are able to apply economic theory using economic models;
- understand how a problem can be formulated in terms of an abstract economic model and how the results can be interpreted.

Bridging Theory and Practice - knowledge:

- understand and are able to analyze economics theories and models in the field of (intermediate level) microeconomics;
- are able to apply graphical tools, mathematical methods, and computations;
- understand and remember the concepts and theoretical mechanisms.

Inhoud vak

This is a course in Microeconomics at the intermediate level. The course addresses the general (competitive) equilibrium. This includes a discussion of the concept of Pareto efficiency and the conditions under which efficiency can be reached. In this context social welfare is considered. The concept of Pareto efficiency is being compared to the concept of "fair" allocation. Externalities and public goods are reasons for missing markets and may cause Pareto efficiency to be violated. Monopoly is a market structure that leads to absence of Pareto efficiency in the equilibrium. Causes of monopoly, such as the natural monopoly, are considered. Monopolists can use their power to conduct specific pricing strategies such as price discrimination. A market structure in between competition and monopoly is monopolistic competition. Firms in such markets have market power, but free entry drives profits to zero in the long run. In oligopolistic markets strategic interactions play an important role. Examples of such interactions are the decision to cooperate or not, and to deter entry or not. Game-theoretic methods provide insight in various aspects of the strategies. With the rise of information technology new structures emerged by which suppliers offer their products. Some specific issues in these new markets are discussed. An auction is an allocation mechanism with various applications, among which is the auctioning of radio frequencies. In auctions strategy game-theoretic aspects play a role as well. Information is a very important aspect in the functioning of markets. Information asymmetry can lead to market failure, but also induce agents to find mechanisms to signal information and to find incentive payment schemes that function even if information is

incomplete. The concept of revealed preference will be explained during the course.

Aanvullende informatie onderwijsvormen

(Online) lectures.
Instruction tutorials.
Tutorials.

Toetsvorm

Assignments - Individual assessment.
Exam - Individual assessment.

Literatuur

- Hal R. Varian, "Intermediate Microeconomics", 9th edition.
- Supplementary materials (journal articles, cases, assignments): to be announced.

Aanbevolen voorkennis

The course is compulsory for students following the Economics track of the BSc programme Economics and Business Economics (EBE) and builds on prior knowledge obtained in the courses Microeconomics I, Quantitative Research Methods I, Quantitative Research Methods II, part of the programme EBE.

For students from outside the EBE programme:

The course builds on prior knowledge of

- Microeconomics, including topics as consumer theory (utility maximization), theory of the firm (production functions, cost functions, profit maximization), market structure (competition, monopoly, oligopoly), present value, elasticities, consumer and producer surplus, welfare, Pareto efficiency
- Mathematical methods: optimization, Lagrange, differentiation, solving systems of equations
- Statistical methods: uncertainty and the concept of expected value, t-values

Mind and Machine

Vakcode	AB_1060
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. L.N. Cornelisse
Examinator	dr. L.N. Cornelisse
Betrokken Docenten	dr. L.N. Cornelisse, dr. K. Linkenkaer Hansen
Onderwijsvormen	Study Group, Excursion, Computer lab, Lecture

Doel vak

To introduce the students to the basic principles of brain modelling, artificial intelligence, and brain computer interfacing, discussing the practical applications as well as the ethical, moral, and philosophical aspects.

Specifically, at the end of the course the student should be able to:

1. explain the meaning of key concepts treated in the course and to give examples of where key concepts are already applied (services or products).
2. describe most commonly used forms of, as well as recent trends in, brain modeling, AI and BCI as discussed in the course.

3. reproduce the underlying principles of brain modelling, AI and BCI at the level discussed in the course.
4. develop, present and defend a business proposal, i.e., an idea for a product or service that exploits the technologies and concepts presented in the course.
5. formulate a scientifically informed opinion about the ethical aspects of AI and BCI.

Inhoud vak

What is intelligence and what is unique about human intelligence? People have always been fascinated with the idea to create intelligent computers and robots and to integrate computers in the brain to enhance its performance. In recent years these technologies have become so advanced that they become more and more present in our daily live, from the personal assistant in your smart phone, to smart software in self-driving cars, to portable EEG headsets. Many see this as the start of a new era where smart machines will be completely integrated in our society, taking over many tasks and services now still done by humans. More dystopian views on the integration of human and machine are shown in science fiction films and series like Terminator 3 and Black Mirror. This has led to the realization that intelligence is not unique to humans but can exist in machines, and forces us to reflect on whether computers could ever reach or surpass human level intelligence, or merge with biological brains. , and if the brain can be of inspiration to improve Artificial Intelligence (AI).

In this course, the basic principles of brain inspired artificial intelligence, realistic computer simulations of the brain, and brain-computer interfacing (BCI) will be discussed. To investigate one of these topics in more detail students work in groups to start their own virtual start-up company and prepare a business proposal in which they describe a new commercial application of artificial intelligence or brain computer interfacing. The business project is presented to peers and a reviewer during a poster session at the end of the course. In addition, students will gain hands-on experience in computer practicals and an EEG-based neurofeedback competition, and discuss the ethical, moral, and philosophical aspects of artificial intelligence and brain-computer-interfacing.

Disclaimer: this course is aimed at students without a background in computer science or AI. It will cover general concepts of AI and BCI, and their impact on society, rather than an in-depth discussion of all technological details.

Aanvullende informatie onderwijsvormen

Lectures 35 hrs
Practicals 8 hrs
Business project 60 hrs

Toetsvorm

Exam 50%
Business project 40%
Discussion 10%

For all three sub-grades a grade ≥ 5.5 must be obtained. It is not possible to compensate.

Vereiste voorkennis

This course is part of the minor Brain and Mind. University students need at least 90 ECTS to be eligible for (courses in) this minor. HBO students can follow (courses in) this minor if they have at least 120 ETCS.

Literatuur

To be decided

Aanvullende informatie doelgroep

All students with an interest in the computational abilities of the brain and brain-inspired technology, that do not have a background in Artificial Intelligence or computer science.

Due to curriculum overlap, students from Biomedical Sciences and Health and Life Sciences from the VU cannot follow this course.

Overige informatie

Part of minor Brain and Mind.

This minor course requires a minimum of 25 participants to take place.

Central Academic Skills:

Creative thinking to apply learned knowledge in the design and development of a product or service in the field of mind and machine.
Reflecting on acquired knowledge during the course to discuss ethical and philosophical implications.

Aanbevolen voorkennis

Two years of study at bachelor's level. Basic knowledge of neurobiology.

Minor English: English in my own Discipline

Vakcode	L_ETBAALG008
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. G.A. Dreschler
Examinator	dr. G.A. Dreschler
Betrokken Docenten	dr. G.A. Dreschler
Onderwijsvormen	Seminar

Doel vak

You gain insight into features of the English language as used in various text types which are common in your own academic discipline and the professional domains associated with your specialization. After successfully completing this course you will have (i) knowledge of the different types of texts written in your own discipline, either on an academic level or in the professional domain; (ii) insight into linguistic features related to structure, formality and stance in one or two text types in your discipline; and (iii) knowledge of several types of analysis and methods used in genre analysis and corpus linguistics. You will be able to apply these methods independently to a selection of texts from your discipline and use the knowledge gained from these analyses in your own writing.

Inhoud vak

In the first couple of sessions, we will discuss different methods of analysis used in linguistics for analyzing characteristics of texts and apply them to texts. You will then choose one of these methods and apply this in an analysis of a collection of English texts in your own discipline, present the preliminary results of your analysis, and write a final research article in which you report on the analysis, following conventions from linguistic papers.

Aanvullende informatie onderwijsvormen

2 seminars of 2 hours per week in weeks 1 - 3.

Toetsvorm

The grade for this course will be based on the final report (after rewriting) (75%); and the grade for the presentation (25%). In order to pass the course, you need a 5.5 minimum for each component.

Literatuur

Materials will be made available or listed on Canvas.

Aanvullende informatie doelgroep

The Minor Engels/Minor in English as a whole is aimed at bachelor and premaster students across the university who want to improve their written English in an academic context. The Minor is not open for students in the BA programme CIW who are following the track in English Language and Communication Studies.

Overige informatie

Attendance is obligatory (80% minimum). If you miss more classes, you may still be allowed to finish the course if you submit an alternative assignment, but only if you've attended 70% of the classes.

Aanbevolen voorkennis

This course is only available as part of the Minor Engels/Minor in English. Students must have completed Writing 2 before embarking on this course.

Minor English: Grammar and Writing 1

Vakcode	L_ETBAALG007
Studiepunten	6.00
Periode	P1
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	A.J. Gambrel
Examinator	A.J. Gambrel
Betrokken Docenten	dr. G.A. Dreschler, A.J. Gambrel, dr. A. Martonfi
Onderwijsvormen	Study Group, Lecture, Instruction course, Seminar

Doel vak

After successfully completing this course you will have knowledge of and insight into

- the language which typifies academic writing in English and English requirements of text structure, as well as into how these

aspects are different from other languages.

-the most important aspects of English grammar, particularly those which typically cause students problems when writing formal English.

-the strengths and weaknesses of your own English writing skills.

After successfully completing this course you will be able to

- write and edit well-structured text in clear, cohesive and formal academic English.
- develop the strengths and reduce the weaknesses in your own writing.

Inhoud vak

The course consists of a writing and a grammar component. In the writing component of the course the emphasis is on (a) identifying the paragraph structures, sentence structures and kind of language used across a range of academic texts in all kinds of disciplines, and (b) getting to grips with the basic problems involved in writing good, formal English (e.g. differences between English and Dutch/other languages, the essentials of English punctuation, formal style). The grammar component consists of a practical introduction to basic aspects of the grammar of contemporary English, with special attention on the problems that students typically have when writing formal English.

Aanvullende informatie onderwijsvormen

For the writing component: 1 hr per week lecture; 2 hrs per week seminar.

For the grammar component: 1 hr per week lecture; 2 hrs per week seminar.

Toetsvorm

(i) a series of writing assignments on a subject related to the student's own discipline (50%);

(ii) a multiple choice computer test on grammar (50%).

In order to pass the course, you need a 5.5 minimum for each component.

Literatuur

For the writing component: Hannay, M. & J.L. Mackenzie (2017). Effective Writing in English. 3rd edition. Bussum: Coutinho.

Materials for the grammar component will be announced at a later stage. Additional materials will be made available on Canvas.

Aanvullende informatie doelgroep

Bachelor students across the university who want to improve their written English in an academic context; the course is not open for students who have done academic English in their academic core. The course is part of the Minor Engels/Minor in English but can also be followed separately.

Overige informatie

Attendance is obligatory (80% minimum). If you miss more classes, you may still be allowed to finish the course if you submit an alternative assignment, but only if you've attended 70% of the classes.

Note that this is an English writing course rather than simply a writing skills course. The assumption is that participants have already successfully completed an academic skills course in their first or second year of university study.

Aanbevolen voorkennis

At least one year of university study, including experience in writing academic text; premaster students may also follow this course as long as they have completed an academic skills course.

Minor English: Pronunciation and Presentation

Vakcode	L_EABAALG006
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. L.M. Rupp
Examinator	dr. L.M. Rupp
Betrokken Docenten	A.J. Gambrel, dr. L.M. Rupp
Onderwijsvormen	Study Group, Seminar, Lecture

Doel vak

Regarding pronunciation, you will be able to describe the most common difficulties in English pronunciation. You will also be able to describe the effects of particular pronunciation features on the intelligibility and credibility of English accents, as well as the importance of pronunciation features for identity construction in English. You will be able to able what you have learnt in analyses of your own English accent and the English accents of other speakers.

Regarding presentation, you will be able to strategically apply structural elements, prosodic features and conversational patterns in such a way that they will help you convey a clear message.

By the end of the course, you will be able to adapt pronunciation features in the English accent that you wish to develop and you are able to confidently give an oral presentation.

Inhoud vak

In the pronunciation module:

- 1) We will set goals for the English accent that you wish to develop, both professionally and at a personal level.
- 2) We will look into he most common difficulties in English pronunciation and the effects that these difficulties may (inadvertently) have on the intelligibility and credibility of your accent. We will also take

account of features that seem part of your identity.

2) You will conduct exercises, practise ear-training and be given tools that help you analyse English pronunciation features.

4) You will work on pronunciation features in your own English accent accordingly.

As far as the presentation component is concerned:

1) Students give presentations on academic topics. During these presentations they will show awareness and some mastery over the following elements:

- structure that conveys an academic idea and its relevance and adheres to a time limit
- prosodic features (intonation, voice, articulation, etc.)
- body language (posture, eye-contact, etc.)
- persuasive and conversational patterns (repetition, rhetorical questions, etc.)

2) Students engage in useful ways with their peers, offering feedback and working collaboratively

3) Students demonstrate awareness of their strengths and weakness with regards to the topics and skills addressed in the course.

Aanvullende informatie onderwijsvormen

Pronunciation: weekly lectures (1,5 hour) and seminars (1,5 hours).

Presentation: weekly seminars (3 hours).

Toetsvorm

Two recordings of your own English pronunciation (50%) and a presentation in English on an academic subject (50%). In order to successfully complete the course students must score a grade of ≥ 5.5 for each of the two components.

80% attendance and submission of the all of the course work by the set deadlines is conditional for being awarded a grade for the recordings and the presentation.

Literatuur

Literature and other materials will be made available in Canvas. The pronunciation module is accompanied by online audio and video material (<https://english-pronunciation.weebly.com>).

Aanvullende informatie doelgroep

Students across the university who wish to work on their English pronunciation and presentation skills.

Minor English: Writing 2

Vakcode	L_ETBAALG005
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. G.A. Dreschler
Examinator	dr. G.A. Dreschler
Betrokken Docenten	dr. G.A. Dreschler, J.K. Branum
Onderwijsvormen	Seminar, Lecture

Doel vak

After successful completion of the course students will feel confident that they can write a bachelor dissertation in English and embark on a Master's degree where English is the language of tuition. Specifically, the course aims to help students in:

- getting more practice in writing formal, academic English;
- developing reading skills which will allow them to note linguistic and structural features of relevant academic text types in their own discipline;
- gaining insight into how specific linguistic structures can contribute to text coherence and text cohesion;
- acquiring greater knowledge of the stylistic and rhetorical aspects of written formal texts;
- getting greater insight into the strengths and weaknesses of their English writing skills, and knowledge of how to further develop strengths and reduce weaknesses.

Inhoud vak

For this course we focus on your position as a writer in the academic world, i.e. as someone who is engaged in academic discourse. This means that you need to be aware of appropriate structures at sentence level as well as at text level, of ways of using language to refer to other writers, and of ways of using academic language effectively. The emphasis in this course is on (a) gaining more insight into the language and style of your own academic discipline, (b) improving coherence, compactness and readability, and (c) expanding your grammatical repertoire.

Aanvullende informatie onderwijsvormen

2 hrs per week lecture; 2 hrs per week seminar.

Toetsvorm

A series of shorter writing assignments (50% in total) and a final paper of 2000 words on a subject related to your study (50% of the mark). In order to pass the course, you need a 5.5 minimum for each component

Literatuur

Hannay, M. & J.L. Mackenzie (2009). *Effective Writing in English*. 2nd edition. Bussum: Coutinho.
Separate materials available via Canvas.

Aanvullende informatie doelgroep

Bachelor and premaster students across the university who want to improve their written English in an academic context, with the exception of students of CIS who are following the specialization in English Language and Communication Studies, students of Literature & Society.

Overige informatie

Attendance is obligatory (80% minimum). If you miss more classes, you may still be allowed to finish the course if you submit an alternative assignment, but only if you've attended 70% of the classes.

Aanbevolen voorkennis

Students must have either (a) completed an introductory academic English course earlier in their university studies or (b) already completed

Minor English: Grammar and Writing 1.

Minor Seminar in Political Science

Vakcode	S_MSPS
Studiepunten	6.00
Periode	P1+2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	drs. B. Slijper
Examinator	drs. B. Slijper
Betrokken Docenten	drs. B. Slijper
Onderwijsvormen	Study Group

Doel vak

Learning outcomes;

A. Knowledge and understanding - The student has acquired knowledge and understanding of:

- (1) the various branches of political science as a discipline, and that of (normative) political theory in particular;
- (2) the approaches towards normative questions in political theory;
- (3) a number of key topics in (normative) political theory, and the positions and arguments taken on these topics.

B. Skills - The student is able to:

- (4) apply normative political theories to concrete contemporary contested issues;
- (5) write a short, theoretically embedded and informed position paper on a contemporary contentious issue.

C. Attitude(s) - The student displays:

- (6) the willingness to critically (self-)reflect upon the normative dimension of contemporary contested issues.

Inhoud vak

Certainly in the European tradition, political science has been a broad, thematic “discipline” from its inception. In addition to political science as an empirical social science, there is also political science in the tradition of the behavioral sciences such as economics (political economy) and psychology (political psychology), as well as in that of the arts and humanities such as law (constitutional law), history (political history) and philosophy and ethics (political philosophy or political theory).

In the four other courses in this Minor Political Science, the student will predominantly be familiarized with political science as an empirical social (and/or behavioral) science. There, the student will learn how to adequately describe and explain political phenomena.

In this Minor Seminar, we will however engage with normative political theory. The central questions will therefore not be descriptive or explanatory, but normative and evaluative, such as:

- Is democracy the preferred model for the governance of societies? And why (not)?
- How to understand the idea of individual freedom? And what -if at all- should be the limits of that freedom?
- How to understand the idea of human equality? And how should that be translated into policies?

- What is a just and fair distribution of resources, such as income and wealth?
- Is it possible to think in terms of just and unjust wars? And if so: what determines the difference?

Students will read some seminal texts from political theorists on these topics, supported by additional introductory texts. Moreover, the students are invited and stimulated to actively engage with these topics, position themselves within the debate(s), and develop and enhance their skills to clarify and defend their position.

Aanvullende informatie onderwijsvormen

Seminars.

Please note that attendance is mandatory.

Toetsvorm

Participation (complete/incomplete and conditional for a passing grade)

Group presentation and discussion (40%)

Final position paper (60%).

Vereiste voorkennis

Being signed up for S_IRGG and S_SPC

Literatuur

To be announced in the course manual (see CANVAS)

Multivariate Statistics

Vakcode	E_EDS2_MS
Studiepunten	6.00
Periode	P4
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. I. De Vos
Examinator	dr. I. De Vos
Betrokken Docenten	dr. I. De Vos
Onderwijsvormen	Study Group, Lecture

Doel vak

The student is able to:

- understand and wield (a number of) the techniques for dealing with multivariate data structures, as well as their statistical properties, and select the appropriate technique(s) for the empirical data at hand;
- implement and apply the above techniques to real and simulated data using standard and/or tailor-made computer software;
- report and interpret the results of the analysis clearly according to academic standards.

Inhoud vak

In this course, students familiarize themselves with a range of statistical techniques used for analyzing multivariate data structures. Topics include:

- multivariate distributions (properties, multivariate normal, multivariate t, Wishart)
- more flexible techniques for multivariate data:
 - mixture models
 - copulae

- factor models (dimension reduction techniques): principal components analysis, factor analysis
- classification techniques: clustering.

Next to developing a thorough understanding of the concepts and statistical properties of the different techniques, students also apply their knowledge on real data in small teams and individually and report about their findings in an academically professional way.

Aanvullende informatie onderwijsvormen

Lectures (4h/week) + Exercises (2hr/week)

Toetsvorm

WE = Written Exam – Individual assessment

A1 = Assignment 1 – Assessment in groups of 3

A2 = Assignment 2 – Assessment individually

F = Final Grade

To pass this course, you need $WE \geq 5.0$ and $F \geq 5.5$. If $WE \geq 5.0$, the final grade is $F = 0.65 WE + 0.35 (A1+A2)$

Literatuur

Härdle, W.K., and L. Simar (2019): Applied Multivariate Statistical Analysis. Springer, 5th ed. Available via the VU library (search for “Hardle Simar”)

Aanbevolen voorkennis

Students are familiar with

- linear algebra (matrix and vector properties and operations) as taught in the course Linear Algebra
- properties of random variables (properties, conditioning, transformations) as taught in the course Introduction to Data Science, Statistics
- maximum likelihood theory and statistical hypothesis testing, as taught in the courses Statistics and Introduction to Data Science
- programming and numerical optimization, as taught in the Introduction to Programming and Numerical Methods courses
- Linear regression model as taught in Econometrics I

This foreknowledge will be used extensively throughout the course, in particular linear algebra techniques. Students are expected to re-familiarize themselves in case of gaps in these topics.

Nation and Migration

Vakcode	S_NM
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	E. Liberati
Examinator	E. Liberati
Betrokken Docenten	
Onderwijsvormen	Lecture

Doel vak

This course introduces students to the study of international migration and how the phenomena, perceptions, and policies towards migration reflect and shape the governance and self-perception of nation-states.

Learning outcomes

Knowledge and understanding. Students have acquired knowledge and understanding of:

(1) the key theories, concepts and methods for the study of migration in the social sciences.

Application. Students have acquired the competences to:

(2) apply these to analyse migration dynamics in selected case studies.

Attitude. Students are able to demonstrate:

(3) a critical perspective on current events surrounding migration.

Inhoud vak

Today's debates on migration are often inseparable from nations' perceptions of themselves and each other. This course discusses the relevance of migration in today's global world, particularly in relation to identity concerns (diasporas, transnationalism, nationalism, multicultural societies), development (migration and development) and international political issues (migration governance and ethnography of the state). The course introduces students to major theories to understand migration, but privileges the adoption of constructivist approaches. It invites students to look at migration from the perspectives of people engaging in migration directly, of people encountering migrants as new neighbours, or of people tasked with the function of controlling and governing migration. Through this perspective, students engage with processes of community building and belonging, and with the power struggles associated with migration. They acquire a thorough theoretical knowledge and critical view of these phenomena and key concepts that can help understand them. How do migrants construct their identities on the move? How do transnational communities and diasporas develop? How do national communities respond to migration and deal with the diversity that derives from it? How is

migration governed and controlled by state apparatuses in migrant countries of origin and destination? How do the bureaucrats and professionals dealing with migration translate migration policies into everyday practices? What are the implications of migration for development and social transformation in both origin and destination societies? We will also consider how the relationship between nation and migration is affected by perceptions of gender and sexuality.

Aanvullende informatie onderwijsvormen

The course will be a combination of lectures and group work. Students should come prepared to discuss readings assigned for each class and answer questions on them. Students will discuss questions in groups and then report back to the plenary.

Toetsvorm

Written assignments and exam(s).

Literatuur

To be announced in the course manual (see CANVAS).

Aanvullende informatie doelgroep

2nd year bachelor students in Cultural Anthropology and Development Sociology;

Students in the Minor Anthropology and in the minor Development & Global Challenges.

Nature versus Nurture

Vakcode	AB_1057
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. R.M. Brouwer
Examinator	dr. S. van der Sluis
Betrokken Docenten	dr. S. van der Sluis, dr. R.M. Brouwer
Onderwijsvormen	Study Group, Computer lab, Lecture, Practical

Doel vak

Students learn how individual differences in human complex behavior can be explained. In this course, the emphasis is strongly placed on recent developments in human genetic research.

Inhoud vak

Humans vary in their behavior and in their vulnerability to disease. In the

Nature versus Nurture course, the influence of genes and of environmental factors on

individual differences in human behavior will be discussed. The course starts with an historical overview of the nature-versus-nurture debate, and describes how twin- and family studies paved the way for current genetic research. The course specifically focuses on the rapid developments in the field of complex trait genetics, that allow researchers to search the entire genome for parts of the DNA that are predictive of human behavior and disease. We will examine how the research design and definition of phenotype influences the outcome and interpretation of these studies. We will discuss recent large-scale gene-finding studies and discuss how these translate to state-of-the-art neuroscience research, and how they inspire studies on personalized treatments in

medical practice. In addition, ethical aspects of current genetic research will be discussed.

Aanvullende informatie onderwijsvormen

Lectures, discussion groups, presentations.

Toetsvorm

The final grade of Nature versus Nurture is based on weekly assignments, a group presentation on an ethical aspect of genetic research, and a written exam (multiple choice and open questions). The course Nature versus Nurture is successfully completed if both the exam grade and the final aggregate grade are 5.5 or higher.

Vereiste voorkennis

This course is part of the minor Brain and Mind. University students need at least 90 ECTS to be eligible for (courses in) this minor. HBO students can follow (courses in) this minor if they have at least 120 ETCS.

Literatuur

Lecture notes, scientific papers, TBA during course

Aanvullende informatie doelgroep

This course is part of the minor "Brain and Mind". This minor is accessible to third year BSc students from alpha, beta, and gamma sciences (e.g., Sociology, Psychology, Economics, Law, Artificial Intelligence, computer science, criminology) and students from Life sciences (e.g., Biology, Physics, Chemistry, Medicine, Movement Science, Nutrition) with a broad interest in neuroscience. Students of Biomedical Sciences and Health and Life Sciences as well as students who plan to pursue a career in Neuroscience cannot follow this minor but are referred to the morespecialized minor "Biomolecular/Neurosciences".

Aanbevolen voorkennis

Broad interest in brain, behavior, psychology, genetics and neuroscience

Neuro- en Revalidatiepsychologie

Vakcode	B_NEURREVPSY
Studiepunten	6.00
Periode	P3
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. A. Ledebt
Examinator	dr. A. Ledebt
Betrokken Docenten	dr. A. Ledebt, dr. J.F. Stins
Onderwijsvormen	Hoorcollege, Hoorcollege, Werkgroep

Doel vak

Na afloop van de cursus heeft de student een goed beeld van hoe neuropsychologische kennis, theorieën en onderzoeksmethoden kunnen bijdragen aan het revalidatietraject van mensen met hersenletsel (met name CVA). Ook zal de student in staat zijn wetenschappelijke artikelen over dit onderwerp kritisch te lezen en vragen over deze artikelen te beantwoorden en te presenteren aan medestudenten.

Inhoud vak

Neuropsychologie onderzoekt de relatie tussen hersenen en gedrag, en in het bijzonder de gevolgen van hersenschade op verschillende gedragsniveaus. Neuropsychologische stoornissen kunnen cognitief van aard zijn (bv geheugen, spraak), emotioneel (bv de stressreacties) of

gedragsmatig (bv vermoeidheid en motivatie). Het vakgebied van de revalidatiepsychologie belicht de talrijke psychologische processen die inherent zijn aan de revalidatie van mensen met een lichamelijke en/of neurocognitieve aandoening. Al deze psychologische facetten hebben grote invloed op de kans van slagen van het traject van (neuro)revalidatie. De cursus beoogt een brug te slaan tussen enerzijds de theoretische inzichten uit de neuro- en revalidatiepsychologie, en anderzijds de uitdagingen die optreden in de praktijk van de revalidatie. De nadruk zal liggen op hersenschade na CVA (wat abrupt optreedt) en niet op neurodegeneratieve aandoeningen zoals dementie en de ziekte van Parkinson. De bewegingswetenschapper die werkzaam zal zijn in de revalidatie (bv als behandelaar of wetenschappelijk onderzoeker) zal na afloop van deze cursus uitstekend in staat zijn om psychologische en neuropsychologische kennis en instrumenten in te zetten in dit werkveld.

De cursus is opgedeeld in 3 onderwerpen, die elk in een afzonderlijke cursorische week worden besproken, als volgt: (1) psychologische factoren in de (neuro)revalidatie, (2) cognitieve stoornissen in de (neuro)revalidatie, en (3) motorisch (her)leren na beroerte.

Aanvullende informatie onderwijsvormen

De cursus bestaat uit hoorcolleges en werkcolleges.

Toetsvorm

Het eindcijfer bestaat uit de score behaald op het schriftelijk tentamen (70%) en de punten behaald tijdens de opdrachten (30%). Schriftelijk tentamen met open-eindvragen en/of gesloten vragen.

Literatuur

Losse artikelen. De literatuurlijst en de Cursushandleiding worden tzt online bekendgemaakt.

Overige informatie

Voor de werkcolleges geldt een aanwezigheidsplicht. Werkcolleges worden voorafgegaan door een aantal opdrachten (bv vragen over literatuur) die op Canvas worden geplaatst. Alle studenten (werkzaam in groepjes) moeten opdrachten maken en inleveren. Tijdens de werkcolleges moeten studenten hun antwoord presenteren voor de groep.

Afwijkende intekenprocedure

Wegens de werkcolleges en bijhorende opdrachten is een maximum van 100 deelnemers mogelijk.

Toelichting Canvas

Studenten werken gedurende de cursus in tweetallen (soms drietallen) aan de

groepsopdrachten. Studenten mogen zelf aan het begin van de cursus groepjes vormen via Canvas. Studenten die geen partner hebben worden door de docenten toegewezen aan een groep.

Aanbevolen voorkennis

Van de deelnemers wordt verwacht dat zij globaal kennis hebben van neuroanatomie en neurofysiologie zoals bijvoorbeeld behandeld in het boek "Neurowetenschappen, een overzicht" van Ben van Cranenburgh. De cursus sluit wel aan bij een aantal cursussen die eerder in de Bachelor Bewegingswetenschappen worden gegeven, te weten: Psychologie (BA1); Motorisch leren en ontwikkelen (BA2); Neurowetenschappen (BA2); Revalidatie (BA3).

Neuropsychology (UM)

Vakcode	P_UNEUPSY
Studiepunten	6.00
Periode	P3
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. D.A. Crafa MSc
Examinator	dr. D.A. Crafa MSc
Betrokken Docenten	dr. D.A. Crafa MSc
Onderwijsvormen	Study Group, Lecture

Doel vak

To receive knowledge and insight on an introductory level on the consequences of brain damage on the behaviour of people. Also to be introduced to the field of the clinical neuropsychologist.

Inhoud vak

Using our knowledge of the working of the brain we discuss the principles of neuropsychology. Neurological and psychiatric disorders as agnosis, aphasia, and dementia. On the basis of patient examples that correspond as closely as possible to the literature, the neuropsychological diagnostics, among others, are illustrated.

Aanvullende informatie onderwijsvormen

Lectures

Toetsvorm

Exam (mc questions)

Vereiste voorkennis

Introduction to PSY and Biological PSY are required for this course.

Literatuur

Kolb, B. and I.Q. Whishaw, (2021, 8th Edition). Fundamentals of Human Neuropsychology. Worth Publishers.

This edition of the textbook differs significantly from past editions and cannot be substituted.

Aanbevolen voorkennis

This is a UM course, but other students who meet the entry requirements may also enroll.

This course requires basic knowledge of psychology, but its contents may be too basic for psychology or medical students.

New Developments in Risk Management

Vakcode	E_MFRM_NDRM
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. M.R.C. van Oordt
Examinator	dr. M.R.C. van Oordt
Betrokken Docenten	dr. M.R.C. van Oordt
Onderwijsvormen	Study Group, Lecture

Doel vak

New regulatory and technological developments cause many changes to risk management of financial institutions. How should risk managers deal with topics such as cryptocurrencies, climate risk and bank resolution?

This course offers a comprehensive introduction to new developments in risk management. The course is structured around various topics that cover important new developments and techniques that affect financial institutions and financial markets. National and international experts will be invited to explain how financial institutions deal with these new developments.

Upon successful completion of the course, you will be able to describe the opportunities and challenges related to new developments for financial institutions. You will learn to think as a risk manager for a wide variety of financial institutions.

Inhoud vak

The course is structured around various topics. The selected topics vary from year to year depending on recent developments and availability of experts. Examples of topics are

1. Cryptocurrencies;
2. Compliance regulation;
3. Heavy-tailed distributions;
4. Operational resilience of fintechs;
5. Resolution of banks;
6. Climate risks and insurers.

Aanvullende informatie onderwijsvormen

Lectures and tutorials

Toetsvorm

Final written exam and assignments.

Vereiste voorkennis

This course is part of the minor Risk Management for Financial Institutions. The entry requirements for this minor apply. Students

should have followed (a) Risk Management in Banking and (b) Risk Management in Financial Institutions (offered in period 1).

Literatuur

To be announced on canvas.

Aanvullende informatie doelgroep

The minor Risk Management for Financial Institutions is for students from all bachelor programmes (with some exceptions, see the admission criteria) who want to acquire familiarity with Risk Management and Financial Institutions.

Aanbevolen voorkennis

Basic courses in quantitative methods and finance are recommended (e.g., Finance I, Accounting I, and a basic course in quantitative methods and/or statistics).

New Venture Creation

Vakcode	E_MFEN_NVC
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	drs. A.C. Guldemon
Examinator	drs. A.C. Guldemon
Betrokken Docenten	drs. A.C. Guldemon
Onderwijsvormen	Seminar, Lecture

Doel vak

Bridging theory and practice:

In this course students create a business plan for a start-up venture based on knowledge provided in the previous courses of the Entrepreneurship minor.

The student will first learn to systematically identify and evaluate entrepreneurial opportunities. A business opportunity is developed using the business model canvas. The student is able to use brainstorming and creativity in the process.

The student teams will test the business idea by collecting and analysing data to support the idea in the business plan and validate a possible investment in the business (quantitative skills). As part of the validation of the idea the concepts of sustainability, valorisation and technology will be used to categorise and demonstrate the economic feasibility of the idea. The course results in a business plan critical for successfully introducing a knowledge-driven innovation to the market.

Social skills:

The student cooperates with others in a team and presents and defends the business idea. Interviews and discussions with stakeholders of the business like investors, possible customers and partners gives insight in the context and validity of the idea.

Self awareness:

The student will present the business plan to a panel of experts and entrepreneurs and learn to judge and evaluate different business plans (bridging theory and practice). Reflection on the process of developing a plan at

the end of the course will result in feedback on what the student learned, what choices he/she made and how he/she was learning in the group

The course will challenge the student to use the skills and knowledge from previous courses and experiences. The course expects the students to interact with professionals from the community of entrepreneurs and business developers and society at large.

Inhoud vak

What is a startup? What does the entrepreneur do? And what characterizes good, structured and effective business development?

In this course students work to create a business plan to validate a business idea in an iterative process. During this process business- and entrepreneurial theories are used in a context specific application.

In order to invest in a plan (this investment can be time, energy, knowledge, network and money) an entrepreneur needs to constantly learn and reflect and put this experience in his business and his business plan. A start-up will go through iterations, get feedback and change course during its development. These iterations are part of the course where feedback from professionals and coaches are integrated.

The Business Model Canvas is used to create a valid strategy to connect the needs of the customer with the value proposition and the required resources. Also the aspects of competition and sustainability are researched and connected to the overall aim of the business. Students will use valorization of new technology and academic knowledge to bridge the gap between research and practice. In the course students are challenged to think of alternative forms of financing such as crowd funding, subsidies and business angels to finance the business.

As the investors expect the business to create a return on investment the students will generate market knowledge about the customer needs, the product market fit and the growth potential. To make the business plan ready for evaluation by investors and stakeholders Investment analysis is an essential part of the business plan development.

The students will present to a panel of experts, entrepreneurs and investors. They will give feedback with a market perspective and based on their experience.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

Individual and group assessment

Literatuur

Required Reading:

Knapp, J., Zeratsky, J., & Kowitz, B. (2016). Sprint: How to solve big problems and test new ideas in just five days. Simon and Schuster. Additional (required) materials will be announced via Canvas.

Aanvullende informatie doelgroep

Students of the minor in entrepreneurship and other third year students with an interest in business.

Aanbevolen voorkennis

Basics of business administration or economics.

New Ways of Working

Vakcode	E_MUM_NWW
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. A. Sergeeva
Examinator	dr. A. Sergeeva
Betrokken Docenten	dr. A. Sergeeva
Onderwijsvormen	Study Group, Lecture

Doel vak

After completing the course, students will:

- Understand how the properties of digital technologies require, as well as enable, new approaches to working and organizing
- Have knowledge of relevant theories of how working, coordinating, and managing in these new environments is different from traditional workplaces and critically reflect upon the underlying assumptions of these theories
- Understand the interplay between technology and work practices and be able to analyze and demonstrate that interplay
- Be able to apply academic insights to analyze and develop solutions for real life problems

Inhoud vak

“New ways of working” refers to new practices through which knowledge workers collaborate in increasingly distributed and flexible organizational contexts enabled by digital technologies. In this course we elaborate on the nature of these new practices and critically examine the role of technology in various aspects of work and organizing. The lectures are structured in such a way that we first discuss the academic understanding of what constitutes “work” and “technology” in the modern world. We then move on to critically reflect on how particular aspects of work are being challenged by digital transformation. The main themes discussed in this course revolve around 1) the role of physical space and co-location for organizing 2) the role of knowledge in organizing 3) the nature of occupations and occupational boundaries.

In general, during the course, we debate such questions as “How does automating work impact existing occupational relations in the workplace?” We learn to approach such questions critically, equipped with theory and practical experience. In order to gain more in-depth understanding of one of the new work forms, you also engage in a team project, where you select one specific trend in the world of work to study in depth. You examine this trend through the lens of the theory and show that you are able to analyze it in an academic way. In such a way, you learn to apply the basic concepts to examine one particular emerging digital phenomenon in the world of work, and develop recommendations for companies operating in the digital era.

Aanvullende informatie onderwijsvormen

The course will consist of a combination of interactive lectures, student-led sessions and tutorials. The lectures aim at developing your academic skills, and providing you with new knowledge. The lectures are based on the literature and discuss the concepts that will be later used

in the group sessions and your specific project. Since the lectures are interactive, you are expected to attend to the lectures having read the literature and contribute actively with your answers to questions. In the student sessions we will use a variety of interactive formats to examine the course topics in more depth.

Aim of the student sessions is to (a) facilitate a deeper understanding of how the literature relates to contemporary problems in the world of work (b) critically reflect on the literature applying it to particular cases (c) provide you a more hands-on experience of new ways of working enabled by digital technologies. You will have to present, compare and contrast, criticize and apply the readings to various real cases. Student sessions also help you to prepare for the final exam and perform a team project.

The tutorials are aimed to assist you in completing a team project. Two tutorials will be dedicated to the presentations of your interim results, while other sessions will be used to provide you with feedback on your progress towards fulfilling the project.

Toetsvorm

The overall grade will consist of your grade received for the final individual exam (60%), a group project (40%) as well as in-class quizzes (pass / fail) that will assess your learning progress and class participation.

In order to pass the course, you need a minimum of 5,5 as a total course grade. In addition, the grade for each assignment and an exam must be at least (not lower than) 5.00.

Assessment matrix in the course manual provides an overview of the learning objectives assessed in each of the different parts.

The exam will consist of open questions that focus on your understanding and application of these concepts discussed during the course and sometimes will require you to provide examples to illustrate your understanding of the material. Exam questions can relate to the course readings and discussion in class (lectures and tutorials).

Vereiste voorkennis

None

Literatuur

A selection of readings (mostly academic papers, but also book chapters and thoughtful business magazine articles) will be made available before the start of the course.

Nudge: Influencing Behavior

Vakcode	E_MFDM_NIB
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. L. Anik
Examinator	dr. L. Anik
Betrokken Docenten	dr. L. Anik, mr. J.P. Butler, F. Krywuczky
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

Throughout this course, we will:

- Practice what it means to be a behavioral scientist;
- Develop the capacity to critically read and understand academic literature and translate academic research to practically relevant outcomes;
- Identify new trends and paradigms and explore key concepts, theories, tools and strategies to tackle different business and societal issues;
- Experiment with a range of levers that can influence consumer behavior in unexpected ways and at efficient cost;
- Design novel and impactful interventions to change and improve behavior;
- Evaluate the ethicality of their ideas and interventions;
- Design field experiments and evaluate their results to develop effective and novel business strategies;
- Develop a deeper understanding of the human condition, including the forces that impact conscious and unconscious decision-making and a livelier curiosity about how its irrationalities, sensitivities and deviations can inform your actions;
- Establish a competitive advantage: the ability to predict consumer responses and create value by making more insightful societal and business decisions across different contexts and industries.

Inhoud vak

Can eating avocado toast set you back financially? What is one question you can ask on a first date to figure out if they are the one for you? Could rain on Election Day change your vote? Can betting against yourself help you keep your resolutions? Can trusting your gut improve your health? If questions like these about human behavior keep you up at night or if you would like acquire a savvy about how asking such questions can help you develop and evaluate strategies that will benefit consumers and citizens alike and enrich the marketplace and the society, join me in Nudge: Influencing Behavior. Nudging is the art of subtly influencing people to change behaviors to serve societal and commercial goals such as reducing the number of phone calls to helpdesks, cutting down on energy use, reducing pollution, stimulating healthy behaviors and so on. In order to design and implement effective nudges, we need to understand how people process information and make decisions, and identify how they deviate from the “optimal” choices that they would make if they were fully rational and selfish. In this course, we will focus on understanding the nature, causes and consequences of these deviations. We will discuss the systematic biases in decision making and how they impact the citizens and business alike across a range of contexts. You will learn about key theories, concepts, tools, frameworks and strategies to tackle these biases and align societal and business practices with human behaviors. This is a dynamic course that will offer creative challenges including but not limited to developing a nudge to help a client, and designing and testing persuasion techniques to influence and improve behaviors for the better (both for the individual as well as for organizations and communities).

Aanvullende informatie onderwijsvormen

(in-person) classroom discussions and tutorials, (in-person and online) assignments

Toetsvorm

Individual exam – individual assessment
(interim) assignment – group assessment

Vereiste voorkennis

You need to have taken Judgment & Decision Making (course from same minor) Furthermore, this course is designed for those interested in gaining a deeper understanding of new trends in the marketplace and aspiring to change (nudge) consumer behavior in order to help customers lead healthier, happier and more productive lives. Bring your intuitions to meet the latest paradigms, tools and strategies from consumer behavior, behavioral economics, sociology and social psychology. My ultimate goal is to move, motivate and mobilize you through a rich, pragmatic, thoughtful, and humane course. Course prerequisites include risk appetite, curiosity in the human condition and willingness to believe in magic.

Literatuur

Academic articles, managerial articles, mini cases and other relevant materials

Specifically, you will need the following two books:

- Thaler, R. H., & Sunstein, C. R. (2021). Nudge (The Final Edition). Yale University Press.
- Cialdini, R. B. (2021). Influence, New and Expanded: The Psychology of Persuasion. HarperCollins.

Additional literature (e.g., research articles) will be communicated in the Course Manual and on Canvas.

Aanvullende informatie doelgroep

IMPORTANT NOTE:

As a student, you are expected to attend the classes and tutorials (mandatory) and take an active role as learners because the exchange of ideas and discussions are core to the learning experience. You are expected to be responsible and accountable not only for doing your individual work but also for contributing to the learning and growth of your classmates. As instructors, we will create a safe, kind, warm and welcoming environment to foster such connections and expect that you show up - physically, mentally, psychologically - to push the discussions forward. This class is not suitable for those, who want to sit back and be a one-way recipient of information. Rather, you are expected to bring and contribute to the knowledge and skills, deepen the collective thinking, and move the conversation forward.

We have designed the assessments to reflect this pedagogy. Anything we discuss during the class discussions and tutorials (what is included in the slides as well as whatever we discuss that might not be included in the deck) as well as any required preparation (e.g., readings, exercises, videos, surveys) are all fair game. In other words, attending and actively participating in the class discussions and tutorials as well as thorough preparation are necessary to do well in the final exam.

Overige informatie

Part of this course builds on the course Judgment & Decision Making.

Toelichting Canvas

All course information will be on Canvas

Aanbevolen voorkennis

Course prerequisites include background knowledge on consumer behavior and more generally, academic method and thinking as well as risk

appetite, curiosity in the human condition and willingness to believe in magic.

Numerical Methods

Vakcode	E_EOR2_NUME
Studiepunten	6.00
Periode	P1+2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. I. De Vos
Examinator	dr. I. De Vos
Betrokken Docenten	dr. ir. T.S. Oosterwijk, dr. I. De Vos
Onderwijsvormen	Study Group, Lecture, Computer lab, Written partial exam

Doel vak

Acquainting the student with numerical methods and applications to econometric problems.

Inhoud vak

Several methods will be discussed for solving numerical problems in econometrics. Topics include:

- floating point representation of numbers on computers
- numerical differentiation
- numerical integration: quadrature and Monte Carlo integration

- interpolation methods
- finding zeros of functions: bisection, Newton(-Raphson), Secant methods
- univariate optimization: golden section search.
- random number generation: inverse CDF, rejection sampling
- multivariate optimization: Newton(-Raphson) and BFGS with linesearch, Nelder-Mead. Differential Evolution.
- optimization under restrictions using transformations.
- using optimization methods to compute Maximum Likelihood estimators in non-Gaussian/non-linear econometric models
- Power method for computing eigenvalues and eigenvectors.
- solving a system of linear equations: Gaussian Elimination

Aanvullende informatie onderwijsvormen

Classes and tutorials.

Toetsvorm

Intermediate exam – Individual assessment

Final exam – Individual assessment

Assignment - Groups of 3-4 students

Literatuur

Cheney & Kincaid (2012), Numerical Mathematics and Computing. 7th edition.

Overige informatie

Please note that this course is part of an entry requirement for Data Science Practical (part of BSc Econometrics and Data Science).

Aanbevolen voorkennis

Programming, Linear Algebra, Analysis II, Probability Theory, Statistics

Oral History & Biography

Vakcode	L_AABAGES208
Studiepunten	6.00
Periode	P3
Vakniveau	200
Onderwijstaal	Nederlands / Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. N.F.F. Karrouche
Examinator	dr. N.F.F. Karrouche
Betrokken Docenten	dr. N.F.F. Karrouche, dr. D.G. Hondius
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

Aan het einde van de cursus zijn de studenten in staat om:

1. De kenmerken van oral history en biografie als bronnen en methoden van historisch onderzoek te begrijpen en hun waarde voor historisch onderzoek te beoordelen.
2. Een oral history interview voor te bereiden, af te nemen en te interpreteren, en op te slaan in een digitaal archief voor hergebruik.
3. Kritisch te reflecteren op oral history en de biografische methode en een eigen positie te onderbouwen en in te nemen in (gevoelige) academische debatten over deze bronnen en methoden, inclusief hun digitale hergebruik.

Inhoud vak

Dit is een intensieve methodologische cursus over oral history onderzoek en de biografische methode. In een reeks werkcolleges leer je hoe je mondelinge geschiedenissen en biografische bronnen kunt beoordelen,

interpreteren en hergebruiken voor historisch onderzoek. Je leert ook oral history interviews af te nemen door samen met je medestudenten een collectie over een vooraf bepaald onderwerp samen te stellen.

Aanvullende informatie onderwijsvormen

Werkcolleges, 4 tot 6 uur per week. Aanwezigheid is verplicht.

Toetsvorm

- Participatie
- Oral history interview
- Essay

Vereiste voorkennis

Studenten moeten het eerste jaar van hun studie hebben afgerond.

Literatuur

Lynn Abrams, Oral History Theory (2016) en een selectie artikelen. De volledige leeslijst wordt bekendgemaakt bij aanvang van de cursus.

Aanvullende informatie doelgroep

Deze cursus staat open voor BA 2 studenten Geschiedenis en History & International Studies en studenten in de minor History. Andere studenten van Geesteswetenschappen en Sociale Wetenschappen zijn welkom, maar moeten al hun eerstejaars vakken hebben afgerond en moeten eerst contact opnemen met de coördinator om toegelaten te worden tot de cursus.

Overige informatie

Dit vak maakt deel uit van de minor History.

Toelichting Canvas

Lesmateriaal, inclusief handouts en powerpoints, wordt na elk seminar online beschikbaar gemaakt op Canvas. Het handboek en de gebruikte literatuur zijn digitaal beschikbaar via de universiteitsbibliotheek.

Aanbevolen voorkennis

Studenten moeten eerstejaarsvakken academische vaardigheden succesvol hebben afgerond.

Organizing Sustainable Innovation

Vakcode	E_MFS_OSI
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	L.A. Falcke
Examinator	L.A. Falcke
Betrokken Docenten	prof. dr. P.R. Tuertscher, L.A. Falcke
Onderwijsvormen	Study Group, Lecture

Doel vak

Academic skills (Analysis, Abstraction, Argumentation, and Application):

Analysis – Critically evaluate innovations and innovation approaches from the perspective of sustainability

Abstraction – Recognize key principles and approaches for sustainable innovation that can be used as templates to transform existing businesses into more sustainable products and services

Argumentation – Make a business case for sustainability, convincing

decision-makers that sustainability can be a valuable opportunity
Application – Develop strategies and plans for transforming existing products and services into innovative, more sustainable ones

Knowledge:

Understand the concepts of the management of innovation processes and the specific challenges and approaches for developing and adopting sustainable innovations

Bridging Theory and Practice:

Apply creative and analytical methods for new product, service, and business model development

Social Skills:

Working in teams for idea development

Inhoud vak

This course concerns the development and commercialization of sustainable innovations. Organizing for sustainable innovation implies a shift away from a reactive approach (i.e. organizations responding to economic, societal and regulatory pressure) to a pro-active system-oriented approach: by relying on creativity and a systematic (re)design of their business processes and interaction with stakeholders, organizations are now developing innovative products, services and business models that have sustainability at their core. Organizing for sustainable innovation involves many of the general processes and methods for the development of new products and services, yet also offers particular challenges and approaches, which this course addresses by building upon the stakeholder perspective developed in the earlier courses. The following topics will be covered: • The business case for sustainability, including why sustainability can be framed as an opportunity (as opposed to a threat or disruption to current business), potential pitfalls and how these can be surmounted; • Innovation management for sustainability, including collaborative and digital innovation in an; types of innovation (e.g. product, service, process, data, ecosystem, platform and business model innovation); innovation processes; • The development of ideas into products, including co-creation with users and other partners, sustainability, and the role of digitalization • Sustainable innovations in collaborative partnerships, including the important role that various stakeholders (e.g. suppliers, competitors, regulators, consumers) play in stimulating or inhibiting the adoption of sustainable innovations such as renewable energy.

Aanvullende informatie onderwijsvormen

Lectures

Tutorials

Toetsvorm

Individual assignments

Group assignments

Exam

Literatuur

Collection of academic articles (will be announced on Canvas).

Aanbevolen voorkennis

First two courses of the minor program “Sustainability and innovation.”

Peace and Conflict: From Theory to Practice

Vakcode	S_PC
Studiepunten	6.00
Periode	P1+2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. M.R. Luitjens
Examinator	dr. M.R. Luitjens
Betrokken Docenten	dr. M.R. Luitjens

Doel vak

The primary objective of the course 'Peace and Conflict: From Theory to Practice' is to familiarise students with the practical context of issues of peace and conflict.

When finalising the course, students will:

- have knowledge and understanding of the practical context regarding peacebuilding as experienced by practitioners;
- be able to apply their knowledge, understanding and problem-solving abilities to specific cases within the broader multi/interdisciplinary and multilevel context of peace and conflict;
- be able to critically assess peacebuilding attempts (in the broadest form), using their knowledge base built throughout the lectures;
- be able to communicate the knowledge and rationale that underpin their conclusions to an audience of specialists and non-specialists in a clear and unambiguous manner;
- be able to analyse, synthesise and co-create potential solutions to complex problems in the domain of peace and conflict;
- be able to give and receive constructive feedback to and from their peers on a variety of products, including oral presentations and written work, and use this feedback to revise and improve their work;
- be able to work in multi-disciplinary student teams and to contribute to the functioning and productivity of the group by sharing insights from their own disciplinary background.

Inhoud vak

Since the end of the First World War, the world has seen various waves of peacebuilding practices. During this course, these waves will be critically analysed and as such the complexity of peacebuilding practices will be presented. The approach that professionals adopt to deal with such complexities is central to the course 'Peace and Conflict: From Theory to Practice'. Whereas the other courses in the minor 'Peace and Conflict Studies' deal with the philosophy and ethics of political violence, criminological and psychological approaches to violent behaviour, international security, and intersectional perspectives on peacebuilding and reconciliation, this module adopts a crucial focus of practical engagement. This course familiarizes students with a genealogy of peacebuilding, demonstrating the ways in which peacebuilding practices have altered over the course of the last centuries. This provides a backbone, and as such a critical analytical framework, to understanding the environment that practitioners in the peace and conflict sector work in. It thereby aims to familiarise students with the very practical complexities that governments, inter-governmental structures (e.g., European Union, United Nations), non-governmental organisations (NGOs), or Civil Society Organizations (CSOs) face when working in the context of peace and conflict.

Through a series of lectures and guest lectures by practitioners, and by working together in multidisciplinary student teams, students in this course are invited to combine theoretical knowledge with insight into these practical challenges, and to apply what they have learned throughout the Minor 'Peace and Conflict Studies' to complex, real-world case studies of international responses to (political) violence and armed conflict. Working in this setting will provide the students with a critical lens to understanding the complex and challenging work in peace and conflict settings.

Aanvullende informatie onderwijsvormen

Weekly lectures in P1, P2 and P3.

Toetsvorm

Exam (40%); Final (video) group project (35%); Guest-lecture assignment (25%); Film-assignment (pass/fail).

Students need to obtain a 4 minimum on each of the assignments.

Vereiste voorkennis

Students must have earned 90 credits, including 60 of the first year.

Being registered for 'Political Violence and the Human Condition' and 'Philosophy and Ethics of Political Violence: Peace, War and Terrorism' is required.

Aanvullende informatie doelgroep

This course is intended for students in the minor Peace and Conflict Studies. The course is also open as an elective course to students from any Dutch university or other institution of higher education, and exchange students.

Overige informatie

The minor is taught in English.

Philosophy and Neuroethics

Vakcode	W_BA_PNEU
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. C.B. Ranalli
Examinator	dr. C.B. Ranalli
Betrokken Docenten	L.C. de Bruin, dr. P. Robichaud, dr. S. Coninx, dr. G. Löhr, dr. C.B. Ranalli
Onderwijsvormen	Study Group, Lecture

Doel vak

Students are introduced to the most important concepts and positions in philosophical debates on the impact of neuroscience and neurotechnologies on individuals and society.

Lerning Objectives

1. You can describe, explain, and reflect on the main philosophical positions and concepts regarding the mind-body problem and identify what they imply for empirical research in psychology and neuroscience;
2. You are able to describe, explain, and reflect on philosophical positions and concepts regarding science and objectivity and identify how they affect contemporary discussions on the impact of neuroscientific research and neurotechnologies;
3. You can describe, explain, and reflect on the most important ethical frameworks and identify how they affect contemporary discussions on the impact of neuroscientific research and neurotechnologies;
4. You can describe, explain, and reflect on current topics in neuroethics and identify their relevance for society (e.g., neuro-enhancement);
5. You are able to give an assessment of the ethical and epistemological implications of advancing developments in artificial intelligence research both on an individual and societal level (e.g., AI and autonomy; information bubbles and echo chambers);
6. You can describe, explain, and reflect on the main philosophical positions on free will and identify what they imply for neuroscientific research as well as our self-understanding as humans.

Inhoud vak

Neuroscientific research and emerging neuro-technologies give rise to new social, legal, epistemological, and

ethical issues. In this course, students are familiarized with key concepts, positions, and arguments in philosophical debates on these topics, including (1) common approaches to the mind-body problem and their implications for scientific research; (2) philosophical underpinnings of contemporary debates on science and objectivity; (3) central ethical frameworks and their applications; (4) current topics in neuroethics and their relevance for society;(5) implications of certain advancing developments in artificial intelligence research, and (6) the main philosophical debates on free will and their potential significance.

Aanvullende informatie onderwijsvormen

(Interactive) lectures

Toetsvorm

Written exam (100%) (Learning Objectives 1 - 6)

Literatuur

Course manual and literature will be published a few weeks ahead of the beginning of the course on Canvas.

Aanvullende informatie doelgroep

This course is part of the Universiteitsminor Technology, Law and Ethics.

Aanbevolen voorkennis

Philosophy requires active reading and thinking. It's helpful to read [How to read philosophy](#) before embarking on this course.

Philosophy and the Ethics of Political Violence: Peace, War and Terrorism

Vakcode	S_PEV
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. A.F. Pacheco Lozano
Examinator	prof. dr. G.J. Buijs
Betrokken Docenten	prof. dr. G.J. Buijs, prof. dr. F. Enns
Onderwijsvormen	Seminar, Written partial exam

Doel vak

The aim of this course is to introduce students to the main philosophical and ethical concepts on violence and non-violence, war and peace (-building), and the phenomenon of terrorism – in the context of a globalized world. Special attention will be given to religiously motivated violence and the potential role of religion in peace-building, including a postcolonial lens.

Learning Objectives

When finalizing the course, students will have knowledge and understanding of

- The prospects and problems of the main political-philosophical and ethical concepts of war and peace;
- The prospects and problems of violent and non-violent peacebuilding concepts;
- The historical, cultural and economic contexts in which certain approaches concerning war and peace have emerged and have been applied;
- The prospects and problems of religion as one of the main contributors to violence (terrorism) as well as to non-violent peace (-building) in a globalized world.
- Becoming aware of the continued challenges of colonial mindsets and structures.

Inhoud vak

Philosophy Part

As far as we go back in history, we find traces of human violence. Does this mean that human nature is violent per se? Or has violence other sources and causes? This type of questions has occupied philosophers, especially in modern times, the times that are characterized both by a continuation of the high level of violence that we encounter throughout human history and by an increasing moral denouncement of violence. So, in philosophy, key questions that are raised with increasing intensity are: what is violence, how does it occur and can we overcome violence and enter into a state of non-violence or even 'eternal peace'? Is violence 'selective', i.e. does it affect certain groups more than others, e.g. women? There is also an increasing focus on the aftermath of conflict and oppression in history. How can we deal with a violent past? How can 'restorative justice' ever be just?

Ethics Part

For centuries, in the Western World the concepts of war and peace have been developed and discussed in the field of philosophy linked to theology, due to the fact of the corpus christianum (the medieval concept of a unity of church and state). The just-war-theory is the predominant model of reasoning in this tradition, challenged only by some religious minorities who pronounced non-violence as the moral obligation within Christian ethics. During the Enlightenment period, this societal unity of political and religious powers begins to fall apart, due to new ways of thinking and reasoning. This has led the (European) societies into violent (freedom-) struggles within, resulting in a clear separation of "church and state". This paved the way to secular states on the one hand and religious plurality on the other. Yet, it also supported colonization.

Current phenomena like forms of terrorism, "New Wars" as well as the "Renaissance of the Just War theory" demonstrate, that moral reasoning of religious communities still plays a major role in orienting people of faith – and implicitly also people of no faith – in their ethical judgements. This is not only true for some ethical dilemmas (such as collective self-defense, emergency assistance for populations at risk or violent struggles for political liberty and independence) but also for concepts of non-violent resistance, peace-building, and reconciliation (see Mahatma Gandhi, Martin Luther King, Nelson Mandela, World Council of Churches etc.). – In times of economic globalization, cultural diversity, and religious plurality the discourse on war, (non-) violence and peace (-building) finds itself in rapidly changing contexts – and new forums of analysis and engagement, including postcolonial studies.

Aanvullende informatie onderwijsvormen

Seminar-style with presentations and discussions.

Attendance mandatory (80%)

Toetsvorm

For the Ethics part: Group assignments and final exam (50%)

For the Philosophy part: Reading Reports and final exam (50%)

Literatuur

The Ashgate Research Companion to Religion and Conflict Resolution, ed. by Lee Marsden (2012).

Additional articles will be provided.

Aanvullende informatie doelgroep

Bachelor students in the minor Peace and Conflict Studies.

The course is also open as an elective course.

Overige informatie

Week 1-3 PHILOSOPHY (Buijs)

Week 4-6 ETHICS (Enns & Pacheco Lozano)

Philosophy of Science

Vakcode	W_BA_SCIE
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. J.S. de Boer
Examinator	dr. J.S. de Boer
Betrokken Docenten	dr. J.S. de Boer
Onderwijsvormen	Lecture

Doel vak

1. The student has achieved a broad knowledge of central debates in contemporary philosophy of science.
2. The student understands the key concepts and arguments employed in these debates.
3. The student is able to present his/her own well-argued views regarding the nature of scientific knowledge and its role in today's culture and society.
4. The student is able to apply the general philosophical analyses to concrete cases, and can explain the relevance of these analyses to science practioners.

Inhoud vak

This course will address key-subjects in philosophy of science:

- Classical philosophy of science;
 - Historical and sociological research in science;
 - Realism and the nature of scientific explanation;
 - Science and values;
 - Feminist's perspectives on science.
 - Philosophy of science issues in various disciplines
- Students also learn how to assess the value of resources according to the purpose they serve

Aanvullende informatie onderwijsvormen

Lectures, assignments, debates

Toetsvorm

Exam with MPC questions and open questions (60%): objectives 1, 2 and 4

Writing assignment (40%): objectives 3 and 4.

Quizzes: pass/fail.

Passing the quizzes is prerequisite for taking the exam.

There is a minimum requirement of 5.0 for both the exam and the writing assignment.

Literatuur

Kent W. Staley, An Introduction to the Philosophy of Science (Cambridge

University Press, 2014). Other required readings will be announced through Canvas.

Aanvullende informatie doelgroep

BA2-students Philosophy; students in the Minor Philosophy.

Aanbevolen voorkennis

Recommended is a general familiarity with systematic or historical problems from philosophy.

Political Philosophy

Vakcode	W_BA_PP
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	prof. dr. G.J. Buijs
Examinator	prof. dr. G.J. Buijs
Betrokken Docenten	prof. dr. G.J. Buijs
Onderwijsvormen	Lecture

Doel vak

At the end of this course, the student has achieved the following goals:
Knowledge and understanding:

1. Knowledge and understanding of the contemporary political and political-philosophical landscape: you are able to recognize the most important viewpoints/political ideologies within contemporary political philosophy and the contemporary political landscape, you can indicate the core convictions of each of them and how each ideology relates to the other ones.
2. Philosophical analysis: you can identify and understand the underlying presuppositions of the various schools of thought and critically analyze these presuppositions.
3. Getting acquainted with "famous texts": for each movement you can indicate why a particular text fragment from the tradition of political philosophy is typical or foundational for a particular political-philosophical movement.
4. Analysis of current 'hot topics' in the public-political sphere: you will study a number of current social themes and learn to recognize how different schools of thought think about these issues. You will also learn to formulate and argue your own point of view, in an interdisciplinary context with students from other VU-faculties.

Skills:

5. Learning to identify key points in the study material: every week you write a short reflection on readings.
6. Debating skills: a round of debates is held every week in which we try to determine the 'solving potential' of a particular school of thought for an urgent social problem. You will make a brief analysis of this problem on the basis of internet, newspapers and magazine articles and statistical data and you will learn to introduce the results of your analysis briefly and (hopefully) convincingly in a debate.
7. Dialogue and reflection: In the VU-wide Broader Mind Course associated with this course you learn to approach personal and social themes from various disciplinary perspectives, to reflect on them and to

discuss these themes with students from very different disciplinary and cultural backgrounds.

Inhoud vak

Political philosophy or political theory (often used interchangeably) deals with hot topics in today's society. Together we explore the ideas and visions that people use when designing, redesigning or assessing the way their society is organized. In this course you get to know the most important past and contemporary ideologies within the modern political spectrum, such as liberalism, socialism, feminism, ecological thinking. We also look - particularly during the lectures - at the historical-cultural background of these ideologies: where do they come from, what are the core ideas?

And we practice as well public debates, and reflecting on your own opinions, together with people from very different backgrounds. Listening is as important as talking. This is partly done in the lectures, partly in the university-wide Broader Mind Course, which is associated with this course.

We always try to do this in an informed, academic way: arguments are key. But in the selection of arguments political ideologies are important maps for people. In the past, from Plato, but certainly in modern times, all kinds of ideas and visions have been formed that inspire people and on which people rely on in dealing with issues in society.

The course has two parts. The main part will be offered in Period 1. Next to this you will participate, with your philosophical background acquired in Period 1, in the university-wide offered Broader Mind Course, which is organized in the spring (period 4 and 5, in total 40 hours), in which you will meet students from all faculties of the VU and together work on and discuss themes that focus on personal development and societal challenges (and the relations between those). Through a smart mix of online assignments and carefully scheduled meet-ups is the Broader Mind Course organized in such a way that it can be very well combined with other courses.

In the main course, we will study political ideologies and apply these already to current societal issues as well as to some themes that will be discussed as well in the Broader Mind Course. What do the various political ideologies have to say on inequality, on climate change, on abortion rights, on drugs use, on education? You may self choose the topic that you want to explore and discuss. them. Discussions will take place as 'talkshows'.

Aanvullende informatie onderwijsvormen

In Period 1: Watching videoclips on the main materials, class discussions and collective readings, debates/talkshows. The Broader Mind part consists of 'blended learning': online assignments, to be fulfilled at a time of your own choosing, and offline meetups in interdisciplinary groups of 25 students, working together on experience-based learning assignments. In total the Broader Mind part will take about 40 hours, over 4 months, so about 2,5 hours per week, no activities in exam periods.

If for certain reasons it really is not possible to take the Broader Mind Course in the Spring, there is a special Autumn group that can take this course simultaneously the current course in the first semester.

Toetsvorm

- Written assignments and participation in talkshows (both: pass/ fail), meant to practice goals 4,5, 6
- Written exam that will determine your grade (Goals 1,2,3)
- Broader Mind certificate which will validate your grade (achieving goals 4,6,7)

Literatuur

Key reading is Andrew Heywood, Political Ideologies. An Introduction. London: Palgrave Macmillan (7th edition) - almost the entire book.

- fragments of "classical" texts or source texts of a certain ideology. (on Canvas)

Aanvullende informatie doelgroep

BA2-students Philosophy, track English

Overige informatie

If you want to have a preview of the Broader Mind Course, see

<https://vu.nl/en/student/extra-challenge/broader-mind-course>

Aanbevolen voorkennis

It may help when you have already taken the introductory Ethics Course and the course on social & cultural philosophy but this is not a formal entry requirement.

Political Violence and the Human Condition

Vakcode	S_PVHC
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. M. Weerdesteijn MSc
Examinator	dr. M. Weerdesteijn MSc
Betrokken Docenten	W.E. Born, dr. M. Weerdesteijn MSc
Onderwijsvormen	Seminar, Lecture

Doel vak

This course aims to provide students with knowledge and understanding of the perpetrators and victims of political violence. It will cover the reasons why, and the processes and mechanisms through which, people get involved in political violence, as well as the impact this has on victims and their communities.

When finalizing the course, students will have knowledge and understanding of:

- The driving forces of violent behaviour on an individual and group level;
- The psychological foundations of violent behaviour;
- The adverse psychosocial and intergenerational consequences of violence for victims and communities;
- Effective strategies to hold perpetrators accountable and reduce the adverse psychological and psychosocial consequences of violence for victims and communities;
- The prospects and challenges of an interdisciplinary approach to violent behaviour that combines, amongst other disciplines, psychology and criminology.

In addition, students will be able to:

- Apply theories of multiple disciplines to understand the causes and consequences of violence as well as the effectiveness of post-conflict interventions;
- Critically evaluate the relevance of different theories from multiple disciplines to help understand contemporary cases of political violence and their aftermath;
- Critically appraise and integrate the literature on psychological and psychosocial interventions as well as transitional justice mechanisms in the aftermath of political violence.

Inhoud vak

Mass atrocities are frequently perpetrated during wars and they have a devastating effect on the victims and their communities. The perpetrators and the victims of this violence have been studied from numerous disciplines including, but not limited to, criminology, clinical psychology, social psychology and history. Studies across these different disciplines have focused on elements and processes that influence the perpetrator and contribute to mass violence. In addition, extensive scientific literature exists on the consequences of mass violence for the exposed society, community and the individual, and how

individuals, communities and countries may deal with the past.

In this course, these perspectives will be integrated to provide an overview of the reasons why, and the processes through which, individuals perpetrate mass atrocities. The hypothesis that these individuals are ordinary people in extraordinary circumstances will be discussed by analysing theories as well as case studies. Furthermore, the appropriateness of individual accountability for these collective manifestations of political violence will be discussed, as well as

potential alternatives. A second central focus of the course will be the psychological and psychosocial consequences of political violence and war-related trauma for its victims; the affected individuals, communities and societies. In this part of the course we will also focus on how to interfere with the development of such adverse consequences, on an individual and societal level.

Aanvullende informatie onderwijsvormen

Lectures and seminars

Toetsvorm

Written assignments

Vereiste voorkennis

Being registered for 'Philosophy and Ethics of Political Violence: Peace, War and Terrorism' is required.

Literatuur

Selected articles and book chapters that are available on-line

Overige informatie

This course is only available for students who are also enrolled in the course Philosophy and the Ethics of Political Violence: Peace, War and Terrorism

Practical Case Study: Real-life Modelling in Econometrics and Data Science

Vakcode	E_MFAE_PCS
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. I. van de Werve
Examinator	dr. I. van de Werve
Betrokken Docenten	dr. I. van de Werve, prof. dr. S.J. Koopman, B.A. Spanjers MPhil
Onderwijsvormen	Lecture

Doel vak

In this course, students learn to perform empirical research by working on a real-life case in groups of four for one month. The cases are developed by our partners at companies, institutes and several VU research departments. The student groups are asked to submit their case preferences such that they can be matched to a case before the start of the course. The cases may have very different objectives, but share that they give the students the opportunity to show that their econometric skills have advanced to higher levels during the Applied Econometrics minor.

Inhoud vak

The course assumes that students have actively followed the courses of period 3.1 and 3.2 in the minor Applied Econometrics, which gives sufficient knowledge to work on any of the cases. Some cases directly apply the material of earlier courses, but most cases build forward on it such that alternative and more extensive methods can be explored through self-study, the introductory lecture on the first course day will give a work plan for this.

The empirical nature of this course implies that much emphasis is being put on the motivation and explanation of choices and alternatives, and correct interpretation of the estimated model parameters and forecasts, rather than technical derivations. Case descriptions and mandatory kick-off's at the partner's office are used to specify the case-specific material.

Aanvullende informatie onderwijsvormen

All cases represent a workload of four students working full-time for four weeks. There are several contact moments throughout the course period:

- On-campus introductory lecture on the first course day (1h30 contact hours);
- On-campus office hours are offered by the teachers twice a week throughout the course period (participate if needed, registration upfront via Canvas);
- Mandatory case-specific kick-off in the first course week (at the office of the partner who developed the case, approximately 2 contact hours);
- Mandatory check-in moment with the teachers during the second week;
- Submission of deliverables in the fourth week.

Toetsvorm

The course has two deliverables: a presentation and a written report. In the fourth course week, each group must give an oral presentation and submit a final report (with the computer code as appendix). The grade is mainly based on the final report, where only exceptional computer code and/or an exceptional oral presentation (in a good or bad sense) may lead to a (positive or negative) adaptation of the grade. Both deliverables are mandatory for all group members and guidelines are given during the introductory lecture on the first course day. The course makes use of FeedbackFruits - Group Member Evaluation for peer feedback and group disputes.

During the second course week, there is a mandatory check-in moment with the teachers, to ensure progress is sufficient and adjust plans where needed, but it is not part of the grading. The on-campus office hours that are offered by the teachers twice a week throughout the course period are there to ask econometric questions and are thus not mandatory nor part of the grading, so it is expected that students use this to their advantage when needed.

Toelichting Canvas

Canvas is actively used from the course registration deadline onward. Case descriptions become available early December, group case preferences need to be submitted half December, matches are announced before the Christmas break. Canvas is also used throughout the course period for all communication, office hours registration and submission of deliverables.

Procurement and Supply Management

Vakcode	E_IBK3_PSM
Studiepunten	6.00
Periode	P4
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. A.S. Eruguz
Examinator	dr. A.S. Eruguz
Betrokken Docenten	prof. dr. J.N. van Ommeren, prof. dr. E.T. Verhoef, dr. A.S. Eruguz
Onderwijsvormen	Seminar, Lecture, Instruction course

Doel vak

All organisations need inputs of goods or services from external suppliers or service providers. In this course, we aim to discuss the management of purchasing, supply, and transport activities. Examples of topics we will address are supplier and procurement management, supplier selection, cost models, and freight transport demand.

Building upon the knowledge you acquired previously in your bachelor through the first and second-year courses

(e.g., Business Mathematics, Business Processes, Supply Chain Management, ...), we will analyze the most crucial and difficult to solve problems arising in the procurement activities of a company, we will mathematically formulate the decision making problems encountered in supply management, and draw and defend managerial recommendations accordingly.

We will also investigate the strategic role of procurement in a company, learn how to differentiate among different suppliers, explore how to design an innovative supply base to make a company successful.

To understand the market forces faced by transport and supply chain firms, and to grasp why policymakers try to regulate these markets, we also focus on transport economics. Hence, we discuss the main concepts in transport economics, explore the economics issues encountered in different types of freight markets – including the maritime, inland shipping, and airline market – and address them by using basic statistical tools.

All topics will be addressed with a special emphasis on their practical aspects.

After successfully completing the course, students are able to:

Bridging Theory and Practice - Knowledge

- Discuss the main functioning of transport markets from an economic perspective
- Discuss the fundamentals of freight markets from an economic perspective

Bridging Theory and Practice - Application

- Apply basic statistical tools to analyse transport issues
- Discuss the main activities, goals, and steps in the procurement function, and apply network planning tools to analyse a procurement project
- Discuss and apply cost models (i.e., break-even, make-or-buy decision, total cost of ownership, and probabilistic cost models)
- Develop learning-curve and quantity discount analysis, and apply AHP models to supplier selection problems

Inhoud vak

In this course, we aim at discussing the management of purchasing, transport and supply activities. In particular, we aim at lecturing the following topics:

- economics of transport markets: external effects
- economics of transport markets: market power
- the structure of freight transport cost
- freight transport demand
- urban transport systems: congestion and reliability
- procurement activities
- management of the sourcing function
- make-or-buy decisions
- break-even analysis
- total cost of ownership
- learning-curve models
- quantity discount analysis
- supplier scoring, assessment, and selection

Aanvullende informatie onderwijsvormen

Lectures
Tutorials

Toetsvorm

Individual and group assessment

Literatuur

Literature: papers and book chapters communicated via Canvas

Aanbevolen voorkennis

For BK:

Bedrijfsprocessen; Wiskunde voor Bedrijfskunde; Supply Chain Management I

For IBA:

Business Mathematics; Global Supply Chain Management; Business Processes

Real Estate and Urban Planning

Vakcode	E_MFRE_REUP
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. J. Rouwendal
Examinator	prof. dr. J. Rouwendal
Betrokken Docenten	prof. dr. J. Rouwendal
Onderwijsvormen	Study Group, Lecture

Doel vak

The course focuses on the way urban planners and economists think about urban development, why there points of view sometimes differ and how they can fruitfully cooperate.

After taking this course students:

- know the basic forces that determine the value of land in cities;
- can explain the crucial role of the labour market in the functioning of cities;
- understand the importance of job accessibility in urban areas;
- can explain the importance and limitations of spatial planning;
- can analyse the interaction between economic forces and planning measures;
- know the essentials of real estate and urban land valuation;
- understand why affordability of housing is often problematic in cities and are able to analyse the various measures take to address this issue;
- understand the determinants of real estate development at specific locations.

Inhoud vak

Cities have been described as the main human invention and their role in social and economic life is still expanding. To a large extend, cities 'are' real estate. A large part of the national capital stock consists of urban real

estate. Within cities there is a concentration in a small number of centers and subcenters. The built environment is extremely durable, it will often remain in place for decades or even centuries. Investment decisions with

respect to real estate are often taken by private actors, but planners often impose strong restrictions, The central theme of the course is that planners and market forces both have an important role to play in creating a productive and attractive urban environment. Their interaction can be synergetic, but this outcome is not guaranteed. In the course you learn why good intentions do not automatically deliver good outcomes and how behaviour of self-interested actors can have a detrimental impact on others. The course considers developed as well as developing countries.

Aanvullende informatie onderwijsvormen

(Online) Lectures and Tutorials

Toetsvorm

Written exam, 4 assignments on economic principles and an assignment on land use development.

Literatuur

Alain Bertaud, 'Order without design', MIT Press

Aanvullende informatie doelgroep

The course is part of the minor 'Real Estate Economics and Finance'

Aanbevolen voorkennis

Basic knowledge of (micro-)economics is helpful.

Real Estate Economics and Finance Research Project

Vakcode	E_MFRE_REEFR
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. V.A.C. van den Berg
Examinator	dr. V.A.C. van den Berg
Betrokken Docenten	dr. V.A.C. van den Berg, prof. dr. J. Rouwendal, X. Yu
Onderwijsvormen	Study Group, Lecture

Doel vak

This project offers you the opportunity to apply the knowledge and skills obtained in the earlier courses of the minor Real Estate Economics and Finance on a topic that you find interesting and important. This will make the material come alive even further. The project also helps you to further develop your research skills (making a good research question, choosing your method, literature review, analysis, and drawing conclusions), which are important skills for your future job, for an internship and for your thesis.

Inhoud vak

In this course, you will identify a relevant research topic in real estate economics and finance, write a paper about it and present your

results. The research topic must be in the field of real estate economics and finance, broadly defined so as to include urban economics, spatial planning and behavioural economics aspects of real estate markets. The topic can be in any type of real estate including that used for commercial and non-profit purposes, land and infrastructure. The choice of the topic can be based on current new items, large societal problems, a specific interest of yourself, et cetera. The earlier courses in the minor may also provide inspiration. Further to help you a list with potentially interesting topics will be provided. Thereafter, you have to formulate the main research question and formulate a research strategy to find the answer. This can be a review of existing literature, but doing some research yourself is encouraged. This may involve the use of techniques like regression analysis, questionnaires, and interviews.

Aanvullende informatie onderwijsvormen

An introductory meeting will be organized by the end of November. In December, you have to register as a group or as a single student. Those registering as single students on related topics will be asked to make a group. You will be appointed a supervisor who will advise you. There will be three tutorials, where groups present their progress and provide constructive feedback on each other. In the first week of January, groups present their research proposal. In the final week of the course, results will be presented.

Toetsvorm

Paper, final presentation and referee report are graded as a group.

Grades are individualized using the "feedbackfruits" feedback tool to prevent free-riding and reward hard work.

Vereiste voorkennis

Participation in the other courses within the minor.

Literatuur

Course manual, lecture sheets, literature on your topic to be independently found.

Afwijkende intekenprocedure

Research groups of max 4 students are formed via canvas

Aanbevolen voorkennis

Understanding of (Quantitative) Research Methods (e.g. from Quantitative Research Methods I and II) and of Academic Skills.

Real Estate Finance and Urban Development

Vakcode	E_MFRE_REFUD
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels

Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. J. Rouwendal
Examinator	prof. dr. J. Rouwendal
Betrokken Docenten	
Onderwijsvormen	

Doel vak

Please be aware that this course is lectured at UvA.

This course on real estate finance and urban development (Vastgoedkunde) deepens the knowledge of students about real estate as an asset class. Students will study the developments on real estate markets and the techniques to invest, develop, value and finance real estate. The course is a nice cross-over between an academic view on real estate and a more practical view with many real world examples and know-how that is normally not covered in plain academic text books. Students will get in touch with the people engaged in the real estate industry through (guest) lectures and if possible visits.

Upon completing the course, students gain the following knowledge and skills:

- Understanding which types of real estate are there.
- Know how to value real estate (techniques) and how to make basic investment decisions.
- Understanding how real estate connects to the broader environment (sustainability).
- Understanding the key actors and considerations for project development.
- Acquiring knowledge about how real estate is financed.

Inhoud vak

The course provides a general introduction to the real estate business. The following topics will be addressed:

what is real estate and how does it compare to other asset classes, which types are there, and the market for real estate;

real estate valuation (why valuation?, different value concepts and appraisal methods) and real estate investment (metrics, when to buy and sell);

the role and potential of sustainability in real estate;

introduction into project/urban development;

financing real estate.

Aanvullende informatie onderwijsvormen

Weekly one two-hour lecture and one two-hour tutorial.

Toetsvorm

The final mark will be:

a written exam (MC questions, two-hour exam, 100%);

To pass this course, your final mark should be at least a 5.5. There is a 2/3 attendance requirement of all course meetings, without it you are not eligible to take the exam. Exceptions can be made when there is an appropriate explanation (i.e. illness and related, going on vacation or having to work is not a valid reason, let the course coordinator know when you are absent with a valid reason).

Literatuur

Brueggeman & Fisher (latest edition), Real Estate Finance and Investments. McGraw Hill, ISBN 978-1-260-09194-6;

Lectures slides;

Other material (e.g. articles) to be provided.

Aanvullende informatie doelgroep

Students who are interested in the exciting and complex multi-disciplinary world of (international) real estate.

The course is useful for students who consider to specialize in real estate economics or finance in the master phase.

Afwijkende intekenprocedure

This course is lectured at UvA!

-The course is also part of the VU Minor Real Estate Economics and Finance but can be taken separately by UvA students without doing the minor.

VU students have to register at UvA to be able to take this course. Details will be provided via Canvas.

Aanbevolen voorkennis

No special knowledge is required. You need to have interest in understanding real estate. It would be useful if you have some prior understanding about annuities, excel, economics and finance (equity, bonds, mortgages).

Religions and Gender

Vakcode	G_BATRSAL054
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit Religie en Theologie
Vakcoördinator	dr. L. Minnema
Examinator	dr. L. Minnema
Betrokken Docenten	prof. dr. C.A.M. van den Berg, dr. L. Minnema
Onderwijsvormen	Seminar, Lecture

Doel vak

After finishing this course, the student is able to:

- describe analytically how certain aspects of gender have been or become an issue in religions;
- articulate major parallels and differences between a number of religious traditions in their approaches to gender issues in the past and present;
- describe both religious insider views and academic outsider views;
- link historical patterns to present-day debates and phenomena.

Inhoud vak

This course addresses the important question of the relationship of contemporary and past religions (Buddhism, Christianity, Hinduism, Islam, Shinto, Greek and Babylonian religions) to gender. Gender issues related to male and female models in religious narratives, historical shifts in the religious status of women, mother goddesses and female power, and religious views of homosexuality will be addressed across cultures and religions. The central focus will be to discover underlying patterns of similarity and difference. Moreover, in two afternoon sessions and one morning session a link will be made between historical patterns in various traditions, and contemporary interpretations of and discussions on

religions and gender.

Six entire morning sessions plus two shorter afternoon sessions will focus on the following six themes:

1. Male and female role models and stereotypes in ancient narratives:

mythological and legendary couples and gender differences in the Babylonian Gilgamesh epic, Homer's Odyssey

epic (Odysseus and Penelope), Hesiod (Prometheus and Pandora), the Hindu Mahabharata epic (Nala and Damayanti), and Ramayana epic (Rama and Sita)

2. The changing religious status of women during three crucial shifts in the world history of religions: the Neolithic, Axial Age, and Modernization breakthroughs
3. Cross-cultural comparison of mother goddesses and female power: the Hindu goddess Devi-Durga in India, the Greek goddess Demeter in Minor Asia, the Shinto goddess Amaterasu in Japan
4. Religious rules and attitudes regarding homosexuality in Buddhism and in Islam
5. The image of Mary in Christianity and Islam: virgin, Madonna, mother, heroine, virtue, saint, queen
6. Virginit

Aanvullende informatie onderwijsvormen

Lectures (HC) and seminars (WC)

Toetsvorm

Written exam

Literatuur

Articles and book chapters will be available via Canvas or the VU library

Aanvullende informatie doelgroep

The course is intended for regular bachelor and minor students and exchange students.

The course is a module in the FRT minor Religious dimensions of global challenges and in the FGW minor Diversity and Gender.

Overige informatie

The course will be offered on campus-only, not online or hybrid; 75% attendance in class required (exceptions considered on request).

Check in advance whether on the written exam date you will still be in the country, as the exam will take place at the VU Amsterdam campus.

Toelichting Canvas

The course manual describing the programme and readings in detail will be put on Canvas.

Research Assistantship Honours Course

Vakcode	E_HP2_RASS
Studiepunten	6.00
Periode	Ac. Year (sept)
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. H.E.D. Houba
Examinator	dr. H.E.D. Houba
Betrokken Docenten	
Onderwijsvormen	

Doel vak

The primary purpose of the Research Assistantship (RA) is to gain first-hand research experience and enhance students' research skills. It

entails a tutored research project at one of the research groups at SBE, which may be part of a larger research project/program of the group in which the student participates or may be set up as a separate project specifically for

the RA-ship.

Inhoud vak

SBE HP students can choose to substitute their elective course for a high-quality RA, preferably in their third bachelor year. It entails a tutored research project at one of the research groups at SBE, which may be part of a larger research project/program of the group in which the student participates or may be set up as a separate project specifically for the RA-ship. Two general formats can be chosen to set up the RA-ship:

(1) as an independent component of the honours program (6 credits),

(2) a study combined with the BSc thesis, which allows to develop a research project of larger scale and/or scope (12 + 6 credits). The output of the RA must be identifiable (as a separate section or appendix) and is graded separately from the thesis.

The RA allows students to build on their skills developed during the programme and, if combined with the BSc thesis, to extend this into a more complete research experience.

Research should be considered in a broad sense, and can involve different stages of research and different research methods. Although typically the RA will include an empirical research component, it may also involve extended literature research. Naturally, this should be reflected in the project design. The form of the RA that is chosen is an important determinant of the expected output and criteria used for evaluation of the process and output. Option 2 seems the ideal way to combine the regular BSc thesis work with a more in-depth empirical study than is usually the case for the thesis.

In case of option 1 described above, expectations about output of the project need to be in line with the credits (6 EC) that are available for the RA-ship. When option 2 is chosen, the output of the RA can be integrated into the BSc thesis, which results in a significant increase in expected output. However, the output of the RA must be identifiable (f.e. a separate section or appendix) and is graded separately from the thesis. Note that the scope of the RA-ship, expected output and evaluation should be proportional with the weights of the two components in the programme (i.e. 6 + 12 EC).

Key for the evaluation of the RA is the provision of an independent piece of research output either in the form of a research paper, or an identifiable part of the thesis (f.e. an extra chapter or appendix). The quality of the paper should be such that it can be graded and preferably be submitted to an academic conference or perhaps even to an academic journal. This paper can be complemented with other relevant project output as part of the evaluation such as databases, measurement instruments and a reference list. These elements may also be part of the evaluation and grading of the project. Evaluation of the RA is context dependent, since this depends on the nature of the research and the tasks conducted by the RA.

General guidelines for evaluation and grading can, however, be provided and include the following aspects:

- Quality, originality and relevance of the research question (or of extensions/refinement of existing questions developed by the student);
- Theory development;
- Extent and quality of data collection and analysis;
- Description of findings and results;
- Development and discussion of inferences and conclusions;
- Independence (e.g. in formulating/developing/extending research questions, theory development, data collection and analysis and drawing of inferences);
- Overall quality of the research report (quality of writing, appearance etc.).

Not all elements may be equally important for each RA-ship, and weights should be determined in accordance with the nature of the project. When the RA is combined with the bachelor thesis, supervisors are recommended to take these criteria in conjunction with the evaluation checklist for the thesis. In this case, the thesis and RA can be evaluated and graded as if they are one study component, even though this grade will be registered separately for the two components.

The possibility to engage in an RA and to gain hands-on experience in conducting research is dependent on the availability of qualified researchers and projects within the different research groups. Interested honours students are advised to actively explore possibilities through their contacts with School members in the BSc and honours programme, and with their mentor in the honours programme. Research projects will usually be formulated close to ongoing research projects at the department or research group, and depending on students' interests, they can apply at the appropriate research group and supervisor.

Research-assistantships can start any time during the academic year, although students are recommended to engage in an RA after, and not before having completed their advanced methods course in the bachelor program. Entry level requirement may also be set for specific projects, which require certain quantitative or qualitative research skills. Typically, the second half of the last year in the honours programme may fit best when combining this with the BSc thesis.

Students engaging in an RA are required to notify the programme coordinator up-front, and send a project proposal for approval to honoursprogramma.sbe@vu.nl.

This proposal, developed jointly with the prospective supervisor, should include:

1. Research problem;
2. Research question(s);
3. Research design;
4. Relevance;
5. Structure of the research paper;
6. Planning.

Aanvullende informatie onderwijsvormen

Conducting an independent research project under individual supervision.

Toetsvorm

Grading of the research paper and/or other research output by the supervisor.

Literatuur

To be decided by the supervisor.

Afwijkende intekenprocedure

Students who want to pursue a Research Assistantschip are required to notify the programme coordinator up-front, and send a project proposal for approval to honoursprogramma.sbe@vu.nl.

Revalidatie

Vakcode	B_REVAL
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	prof. dr. T.W.J. Janssen
Examinator	prof. dr. T.W.J. Janssen
Betrokken Docenten	prof. dr. T.W.J. Janssen, dr. S. de Groot
Onderwijsvormen	Practicum, Hoorcollege

Doel vak

Na het volgen van deze cursus

- Is de student bekend met relevante begrippen, concepten en modellen uit de revalidatie van mensen met een fysieke beperking
- Toont de student inzicht in de problematiek van speciale groepen in de context van revalidatie.
- Is de student in staat tot een kritische analyse van een probleem uit

de revalidatie, arbeidsreïntegratie of hulpmiddelproblematiek.

Inhoud vak

Revalidatie is te omschrijven als 'het gecoördineerd en gecombineerd gebruik van maatregelen op medisch, sociaal, arbeidstechnisch en onderwijskundig terrein die de persoon met een fysieke beperking op de voor hem/haar optimale plaats in de samenleving moet helpen'. Bij uitstek een multidisciplinaire teamprestatie. In deze cursus zullen verschillende aspecten van deze multidisciplinaire aanpak besproken worden, waarbij de verschillende disciplines aan bod komen bij het revalidatieproces van o.a. mensen met een dwarslaesie, niet-aangeboren hersenletsel, amputatie, neurodegeneratieve aandoening, of hartaandoening. Daarnaast zal de vraag worden gesteld welke consequenties een fysieke beperking heeft voor o.a. arbeidsparticipatie en hulpmiddelgebruik en komen onderwerpen zoals sport en bewegen, rolstoelmobiliteit en gangbeeldanalyse aan bod. De (mogelijke) rol van de bewegingswetenschapper binnen de revalidatie zal ook bediscussieerd worden.

Aanvullende informatie onderwijsvormen

Deze module bestaat uit twee onderdelen: enerzijds een reeks bijeenkomsten (hoorcolleges, een workshop en een bezoek aan een revalidatiecentrum) anderzijds is er een groepsopdracht. De cursusomvang is 6 erts (168u), waarvan de uren per student als volgt zijn verdeeld over beide onderdelen: collegebijeenkomsten (15x2u), workshops en bezoek revalidatiecentrum (8u), tentamen (2u), de uitwerking van de groepsopdracht (82u), plus tot slot de college- en tentamenvoorbereiding (44u). De groepsopdracht wordt uitgevoerd in viertallen, waarin gewerkt wordt aan een casus in de context van de revalidatie en/of arbeidsreïntegratie. De opdracht wordt afgerond met een werkstuk en een referaat tijdens een reeks afsluitende colleges.

Toetsvorm

Toetsing vindt plaats aan de hand van de praktijkopdracht (werkwijze en verslag) en een afsluitend schriftelijk meerkeuzetentamen. Beide onderdelen tellen voor 50% in het eindoordeel, waarbij de deeltijfers niet lager mogen zijn dan een 5.0. De collegestof en hand-outs en een aantal hoofdstukken uit het boek Revalidatie voor Volwassenen vormen het tentamenmateriaal.

Literatuur

J.H.B. Geertzen, S. Rietman, G.G. Vanderstraeten, R.J. Berduszek, K. Oostra, B. Fard. Revalidatie voor volwassenen. Jaar 2022. ISBN 9789023258889.

Handouts en reader.

Overige informatie

Er wordt uitgegaan van latente kennis rond revalidatie op het nivo van het 1ste & 2 de jaar van de opleiding bewegingswetenschappen (Inleiding Bewegen en Gezondheid, Pathologie van het Bewegen en de readers)

Afwijkende intekenprocedure

De indeling van werkgroepen vindt

plaats via Canvas.

Risk Management for Financial Institutions

Vakcode	E_MFRM_RMFI
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	M.J. Hopman
Examinator	M.J. Hopman
Betrokken Docenten	
Onderwijsvormen	Study Group, Lecture

Doel vak

This course offers a comprehensive introduction in Risk Management and insurance companies, as well as an introduction to financial instability, complexity and scenario thinking. This course is structured in 2 parts:

Part I: Insurance companies (Lectures 1-3):

1. The working of insurance and business model
2. Supervision and regulation
3. Different risk types such as Credit Risk, Market Risk and Operational Risk, Interest Rate Risk and Liquidity Risk

4. Quantitative methods and techniques to identify, measure and monitor the risk types
5. Strategic and integrated risk management

Part II: Instability, Complexity and Scenario Analysis (Lectures 4-6):

6. The concept of instability in financial markets
7. Scenario Thinking
8. Complexity Economics and financial systems

All parts and topics of the course are closely knitted to the learning goals of quantitative and qualitative skills, academic skills, bridging theory and practice. You will learn to think as a risk manager and will be challenged to have a holistic view.

By the end of the course students should be able to:

- Explain and analyse the working of insurance companies and their business models
- Outline and interpret regulation and the impact on financial institutions
- Explain, analyse, and evaluate different risk types
- Identify and apply different quantitative risk measure techniques
- Create and discuss a view on integrated risk management
- Being able to differentiate between quantifiable risks and fundamental uncertainty
- Understand the sources of fundamental uncertainty and the origin of complex systems
- Understand different quantitative and qualitative risk management techniques including scenario thinking and pre-mortem analysis.

Inhoud vak

Lectures 1-3:

You will learn the fundamentals of insurance companies and the working of these institutions in the financial markets. What are the risks these institutions must deal with? How can you identify, monitor, and report the different risk types using quantitative risks? How are they aligned with each other and how can you manage these risks with all this knowledge? The course will also focus on how insurers manage their capital. How can you optimize your capital and is there a future for Insurance companies?

Lectures 4-6:

You will learn the fundamental drivers underlying the dynamics of financial markets and how this leads to periods of stability and instability. This includes the role of behavioural biases in the creation of financial instability. You will discuss different theories to deal with the risks in financial markets and how to apply a diversity of tools to cope with fundamental uncertainty. Specifically, you will focus on approaches related to scenario thinking and how to apply them in practice.

Preparation: Read the literature required of the relevant week and possible other material on Canvas. Additionally, study the Audio PowerPoint presentation(s) before each lecture. They provide the content of the lecture (together with the literature). During the interactive lecture hours there will be a Q&A regarding the audio PowerPoint course and debate around specific topics. During the lecture no summary is given of the chapters or articles that you must read in preparation. This preparation is applicable for both parts of the programme.

Aanvullende informatie onderwijsvormen

Interactive lectures and Tutorials.

Toetsvorm

Final written exam and assignment.

Vereiste voorkennis

There is no formal entrance requirement for the Minor Risk.

Literatuur

Articles and papers will be announced on Canvas.

Aanvullende informatie doelgroep

The minor Risk is for students from all bachelor programmes (with some exceptions, see recommended background knowledge) who want to acquire familiarity with Risk Management and Financial Institutions.

Aanbevolen voorkennis

Finance I, Accounting I and a basic course in quantitative methods and/or statistics is strongly recommended.

Risk Management in Banking

Vakcode	E_MFRM_RMB
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	M.J. Hopman
Examinator	M.J. Hopman
Betrokken Docenten	
Onderwijsvormen	Study Group, Lecture

Doel vak

This course offers a comprehensive introduction to risk management, especially related to the banking sector. This course is structured in six parts, covering the fundamentals of banking

and to what risk types they are exposed:

1. The working of banks and the different business models;
2. Different risk types: credit risk, market risk, and operational risk;
3. Different risk types: interest rate risk and liquidity risk;
4. Supervision and banking regulation;
5. Integrated Risk Management and stress testing;
6. Recovery

All six parts of the course are closely knitted to the learning goals of Quantitative skills, Academic skills, Bridging theory and practice. You will learn to think as a risk manager and will be challenged to have a holistic view.

Upon successful completion of the course, students can:

- Explain and analyze the working of banks and their business models;
- Outline and interpret regulation and the impact on banks;
- Explain, analyze, and evaluate the different risk types;
- Identify and apply different risk measure techniques;
- Create and discuss a view on integrated risk management.

Inhoud vak

You will learn the fundamentals of banking and the working of banks in the financial markets. What are the risks that banks must deal with? How can you identify, monitor, and report the different risk types? How are they aligned with each other, and finally, how can you manage these risks with all this knowledge? The course will cover balance sheet management and its impact on the business model. How can you optimize your balance sheet and develop a sustainable business model taking all the risks into account? In addition, you will be able to interpret banking regulations and have a good view of the supervisory authorities.

Upon completion, you will be challenged to have a holistic view of risk management and to participate in discussions regarding instability and uncertainty.

Aanvullende informatie onderwijsvormen

Interactive lectures and Tutorials

Toetsvorm

Final written exam and assignments.

Vereiste voorkennis

There is no formal entry requirement for this minor except for VWO Mathematics A (or B).

Literatuur

Richard Apostolik and Christopher Donohue (2015): Foundations of Financial Risk: An Overview of Financial Risk and Risk-based Financial Regulation, 2nd Edition, GARP (Global Association of Risk Professionals). ISBN: 978-1-119-09805-8.

Additional readings might be announced on Canvas.

Aanvullende informatie doelgroep

The minor Risk is for students from all bachelor programmes (with some exceptions, see the entry requirements) who want to acquire familiarity with Risk Management and Financial Institutions.

Aanbevolen voorkennis

Finance I; Accounting I; A basic course in quantitative methods and/or statistics is strongly recommended.

Robot Law and Artificial Intelligence

Vakcode	R_RLAI
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Rechtsgeleerdheid
Vakcoördinator	M. van der Werf
Examinator	M. van der Werf
Betrokken Docenten	dr. mr. M. van der Linden, prof. mr. A.R. Lodder, I. Bratu, Z.B. Cooper
Onderwijsvormen	Study Group, Tutorial, Lecture

Doel vak

Robot Law and Artificial Intelligence focuses on the societal impact of technological constructs such as intelligent software and robots. The student will learn and understand the profound influence that the autonomous and intelligent technological constructs may have on society, as well as the ethical consequences and legal implications thereof. The student will be able to develop an academic, sound judgement on the future of a robotic society from an ethical and legal perspective. The student will be able to analyze and critically evaluate the legal-ethical dimensions of issues relating to the use of intelligent software and robots.

Course objectives:

At the end of the course, students are:

- aware of the contextual demands (not to stifle technological development by enacting restrictive legislation, while at the same time protecting fundamental rights and freedoms of a democratic society) law has to deal with;
- able to assess the legal and societal aspects of a problem in an integrated way and critically reflect on possible approaches and solutions;
- able to formulate their own well-founded opinion on the challenges posed by particular applications of robots and AI.

Eindtermen: 3, 4 en 15.

Inhoud vak

Robots and Artificial Intelligence used to belong to science fiction movies and stories. Also, they were discussed in theoretical academic and popular articles. In recent years both Robots and Artificial

Intelligence gradually but strongly are moving away from theory and entering our daily lives. This course focuses on those practical developments, and what role law and ethics play. We do not limit ourselves to present technology, but include prophecies on how society may change in the future and what we can and should do about it.

Aanvullende informatie onderwijsvormen

Lectures and tutorials.

Toetsvorm

Assignment plus exam

Literatuur

Made available via Canvas

Aanvullende informatie doelgroep

Apart from regular students, the course is also available for:
Students from other universities/faculties
Contractor (students who pay for one course).

SAM Programme EOR/EDS *

Vakcode	E_EOR1_SAM
Studiepunten	0.00
Periode	Ac. Year (sept)
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	K. Becker
Examinator	K. Becker
Betrokken Docenten	
Onderwijsvormen	Lecture

Doel vak

The SAM Programme is a Student Academic Mentor programme especially for first year students. Studying at a university also means becoming part of the academic community and the SAM Programme will guide you in this.

The SAM Programme is designed to help you get off to a good start with your study. To achieve this, you will be assigned a mentor. Your mentor is a second or third-year bachelor's or master's student, often from the same study programme.

The main objective of the SAM programme is to help you on an individual basis. Your mentor can contribute to your well-being as a student and can answer your questions. He/she will help you feel part of the university and can advise you on this. You will therefore meet your mentor in person each period. Furthermore your SAM mentor group can help

you on a social level by getting to know your fellow students. Finally, with the SAM mentor group we want to give you access to peer-to-peer advice from other students.

In week 2 of period 1 you will be assigned a mentor. Your name and email will be shared with your mentor. He/she will contact you for the first meeting via Canvas.

Inhoud vak

n/a

Aanvullende informatie onderwijsvormen

Individual meetings with mentor

Toetsvorm

n/a

Schrijvers aan het werk I: 1100 - 1720 (minor)

Vakcode	L_AABAALG093
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	prof. dr. J.M. Koppenol
Examinator	prof. dr. J.M. Koppenol
Betrokken Docenten	prof. dr. J.M. Koppenol
Onderwijsvormen	Practicum, Werkcollege

Doel vak

Wanneer je het vak Schrijvers aan het werk 1 hebt gevolgd, kun je:

- een typering geven van de literatuur uit de Middeleeuwen, rederijkerstijd, 'Gouden Eeuw' en vroege Verlichting, door uit elk tijdvak een aantal representatieve auteurs, teksten, genres, stilistische kenmerken en literaire fenomenen te noemen.
- teksten uit de periode tot 1720 interpreteren, op basis van poetische opvattingen en doelstellingen van de auteurs, met gebruikmaking van literair-historische begrippen en kennis over de grammatica en woordenschat uit deze periode.
- van een aantal representatieve teksten een samenvatting geven en de inhoud in verband brengen met de (cultuur)historische verbanden waarin deze teksten functioneerden.
- toelichten in welke vorm en op welke wijze teksten in de Middeleeuwen en Vroegmoderne tijd werden vastgelegd, overgeleverd en gereciperd.
- een basaal eigen onderzoek uitvoeren volgens de wetenschappelijke onderzoekscyclus (een eenvoudige onderzoeksvraag formuleren, literatuur zoeken en het onderzoek uitvoeren en daar op een verantwoorde manier schriftelijk verslag van doen).
- het wetenschappelijke 'apparaat' (woordenboeken, digitale middelen, o.a. MNW, WNT, STCN, BNTL, Biografisch Portaal, enz.) adequaat toepassen bij het zelf uitvoeren van een onderzoek.
- uitleggen hoe canonisatie en literatuurgeschiedschrijving bijdragen aan een steeds wisselend beeld van de literatuur van Middeleeuwen, Rederijkerstijd, Renaissance en vroege Verlichting.
- reflecteren op de afstand tussen je eigen schrijverschap en het auteurschap van auteurs uit het verleden door oude literaire vormen zelf toe te passen.

Inhoud vak

In deze module maken de studenten kennis met de Nederlandse literatuur van de Middeleeuwen tot de vroege 18de eeuw. Die literatuur is voor een deel vreemd en anders dan de moderne letterkunde, tegelijkertijd is er veel herkenbaar en zelfs actueel. In dit college, dat de periode 1100-1720 bestrijkt, worden de Middeleeuwen, rederijkerstijd, renaissance en het classicisme behandeld aan de hand van een syllabus en een keuze aan teksten. Uit de Middeleeuwen komen onder meer de ridderroman en religieuze lyriek aan bod. De rederijkerij is een cultureel wapen in de handen van met name de stedelijke burgerij. Vanaf 1550 begint de renaissance, auteurs gaan zich richten naar (meestal aan de oudheid ontleende) voorschriften, voorbeelden en theorieën. Tegelijkertijd vinden er belangrijke ontwikkelingen plaats in de politieke en religieuze situatie in de Nederlanden, die leiden tot de vorming van de Republiek. In de zeventiende eeuw, de Gouden Eeuw, groeit ons land uit tot een wereldmacht. Bij de behandeling van de teksten ligt de nadruk, behalve op de literaire ontwikkelingen, ook steeds op de maatschappelijke rol die teksten in de samenleving hebben vervuld, van statusverhoging tot politiek wapen, en van vermaak tot emancipatoire kracht. Aan de hand van een individuele praktijkopdracht krijgt de student een basisvaardigheid in het omgaan met de wetenschappelijk hulpmiddelen voor het vak. Ook maken de studenten creatieve opdrachten waarin ze hun kennis van de oudere literatuur verwerken.

Aanvullende informatie onderwijsvormen

Werkcolleges, in combinatie met individuele studie van een reeks teksten

en wetenschappelijke artikelen;

Individueel werkstuk (na instructie); creatieve opdrachten.

Toetsvorm

De toetsing bestaat uit drie onderdelen:

1. een schriftelijk tentamen over de collegestof en de gelezen primaire en secundaire teksten (50%);
2. een verslag van een onder begeleiding uitgevoerd onderzoek naar een 17de-eeuws gedicht (30%)
3. drie creatieve opdrachten, op te nemen in het portfolio, waaronder:
 - adaptatie / moderniseringsopdracht Middeleeuwen (10%)
 - poëticaopdracht (10%)

Alle onderdelen moeten met een voldoende worden afgesloten. Verder is een actieve deelname aan de colleges vereist (colleges moeten zijn voorbereid, opdrachten gemaakt; wie niet actief deelneemt, kan een inhaalopdracht krijgen, bij herhaling volgt uitsluiting van het college).

Vereiste voorkennis

Geen

Literatuur

Syllabus (beschikbaar op Canvas), met overzichten, tekstfragmenten en opgaven. Daarnaast een leeslijst met teksten, die op Canvas bekend zal worden gemaakt in de studiehandleiding. Een aanbevolen leerboek voor de oudere taalfasen van het Nederlands is: M.A. Mooijaart en M.J. van der Wal, Nederlands van Middeleeuwen tot Gouden Eeuw (Nijmegen, 2008 of latere druk).

Aanvullende informatie doelgroep

Eerstejaars studenten Creatief Schrijven: Nederlands; Premasterstudenten Nederlandse letterkunde en het literaire veld.

Afwijkende intekenprocedure

Premasterstudenten hoeven niet zelf in te tekenen voor vakken want dit doet het onderwijsbureau.

Schrijvershuisbezoeken

Vakcode	L_NNBAALG002
Studiepunten	6.00

Periode	P2
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	prof. dr. J.H.C. Bel
Examinator	prof. dr. J.H.C. Bel
Betrokken Docenten	prof. dr. J.H.C. Bel
Onderwijsvormen	Werkcollege, Excursie

Doel vak

Op basis van interviews met een aantal hedendaagse schrijvers en de analyse van een van hun recente literaire werken:

- Kennismaken met literatuuropvattingen van deze schrijvers;
- Kennismaken met secundaire literatuur over het begrip poëtica en vaardigheid ontwikkelen in het kritisch hanteren van dit literatuurwetenschappelijke concept;
- Leren reflecteren op het scheppingsproces van een literair werk.

Inhoud vak

Onder leiding van de 'vrije schrijver' en Jacqueline Bel wordt een bezoek gebracht aan vier schrijvers. Elk van de bezoeken wordt in de daaraan voorafgaande week grondig voorbereid op basis van de lectuur van een of meer werken van deze auteur. Telkens vormt één werk, in combinatie met het zoeklicht 'poëtica', het uitgangspunt voor deze bezoeken. Vragen die aan de orde komen zijn: wat is de literatuuropvatting van deze schrijver? Welke kwesties houden hem/haar bezig? Hoe gaat de schrijver te werk? In hoeverre is het schrijven voor hem of haar een beroep?

Aanvullende informatie onderwijsvormen

Werkcolleges van 2 uur per week en huisbezoeken (daarvoor is een middag gereserveerd) onder leiding van de 'vrije schrijver' en Jacqueline Bel. Er worden vier schrijvers bezocht. De namen worden zo spoedig mogelijk bekend gemaakt.

Toetsvorm

Actieve participatie en deelopdrachten (moet voldoende zijn). Colleges moeten altijd grondig zijn voorbereid conform de instructies uit de studiehandleiding. Afrondend eindwerkstuk (100%) of schriftelijk tentamen (100%). Beide toetsvormen moeten voldoende zijn.

Literatuur

Een werk van de 'vrije schrijver' en van de vier schrijvers aan wie een huisbezoek gebracht wordt; secundaire literatuur over deze schrijvers en secundaire literatuur over poëtica-onderzoek (Van den Akker/Dorleijn, Sötemann).

Aanvullende informatie doelgroep

De minor staat open voor alle studenten die hun eerste studiejaar hebben afgerond.

Overige informatie

Aanwezigheid verplicht (80%). Alleen met een gegronde reden kan iemand afwezig zijn. Is een student door omstandigheden vaker afwezig dan toegestaan dan kan dit eventueel worden gecompenseerd met een extra opdracht. Het college is onderdeel van de minor 'Aan de slag met literatuur'.

Schrijverspalet: retorica

Vakcode	L_ABAALG092
Studiepunten	3.00

Periode	P1
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	prof. dr. J.H.C. Bel
Examinator	prof. dr. J.H.C. Bel
Betrokken Docenten	prof. dr. J.H.C. Bel, dr. J. Grave
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

De student kan

op basis van technieken uit de retorica een essay schrijven

een interview voorbereiden en houden

kan de literatuuropvatting construeren van enkele contemporaine schrijvers en journalisten.

Inhoud vak

Hoe kun je je publiek boeien vanaf de eerste zin? Hoe schrijf je een pakkende tekst? Deze vragen houden de literatuur sinds de klassieke oudheid bezig en de antwoorden zijn ook buiten de literatuur relevant. Immers, een advocaat moet zijn gehoor weten te overtuigen van de onschuld van zijn cliënt of van verzachtende omstandigheden. En een CEO moet zijn bedrijf goed weten te 'verkopen'. Na enkele introducerende colleges over de klassieke retorica waarbij je je traint in het schrijven van een zakelijk gestructureerde tekst, is er elke week een bekende schrijver of journalist te gast op college: studenten lezen en analyseren vooraf een van zijn of haar teksten, bereiden een interview voor en gaan tijdens het bezoek van de schrijver met hem/haar in gesprek over hun werk. Als gasten worden zowel creatieve schrijvers (o.a. de Vrije Schrijver), als bekende journalisten uitgenodigd (bijvoorbeeld Maxim Februari, Elsbeth Ety, Geert Mak, Abdelkader Benali).

Aanvullende informatie onderwijsvormen

werkcollege

Toetsvorm

• Het schrijven van een korte zakelijke tekst (60%) en mondelinge presentatie (40%) met powerpoint en handout. Voor beide onderdelen moet minimaal een 5,5 worden behaald.

* Voorbereiding interview (moet voldoende zijn om het vak te halen, maakt geen onderdeel uit van eindcijfer).

Literatuur

De verplichte primaire en secundaire literatuur wordt via canvas bekend gemaakt aan het begin van de colleges.

Aanvullende informatie doelgroep

Het vak is bestemd voor studenten van de bachelor track Creatief schrijven Nederlands en van de minoren Aan de slag met literatuur en De schrijfacademie.

Sensomotorische Coördinatie

Vakcode	B_SENSOCOR
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. K. van der Kooij
Examinator	dr. C.E. Peper
Betrokken Docenten	prof. dr. J.E. Bos MSc, dr. K. van der Kooij, dr. C.E. Peper
Onderwijsvormen	Werkcollege, Practicum, Hoorcollege

Doel vak

Algemene doelstellingen:

- Oriëntatie op het studieterein van sensomotorische coördinatie: de student is bekend met het soort vragen dat in het onderzoek op dit terrein wordt bestudeerd;
- Aan het eind van de cursus heeft de student basale kennis van twee benaderingen op dit terrein (de neurowetenschappen en de psychologie) en van feiten en begrippen die binnen deze benaderingen centraal staan;
- De student kan de verkregen kennis en inzicht van sensomotorische coördinatie toepassen op concrete problemen, en kan hierbij samenwerken met medestudenten.

Specifieke doelstellingen:

De student heeft kennis van en inzicht in

- fundamentele problemen in de studie van sensomotorische coördinatie;
- neurofysiologische achtergronden van de sensomotorische coördinatie;
- psychologische achtergronden van de sensomotorische coördinatie;
- basisprincipes van de coördinatiedynamica.

Inhoud vak

Bij bewegen staan we zelden stil. We lopen, fietsen, spreken, schrijven, vangen, springen, slaan en schoppen alsof het niets is. Toch gaat het hier, als je er even over nadenkt, om vrij opzienbarende prestaties. Het menselijk lichaam telt meer dan 600 spieren en meer dan 100 gewrichten: daar kunnen heel wat bewegingen mee gemaakt worden, maar hoe maken we juist die ene, gewenste beweging?

Dankzij het zenuwstelsel zijn onze bewegingen in de regel goed gestuurd en gecoördineerd, tenzij we te veel hebben gedronken of lijden aan een ziekte die de motoriek ondermijnt. De vraag die in deze cursus centraal staat is hoe de sturing en coördinatie van bewegingen tot stand komen, en welke rol onze sensorische systemen daarbij spelen.

De cursus biedt een brede en gevarieerde inleiding in dit veelzijdige onderzoeksterrein. Naast een algemene introductie in de centrale thema's, wordt met name aandacht besteed aan de neurofysiologische en psychologische achtergronden van bewegingscoördinatie. Hierbij komt ook de relatie tussen waarnemen en bewegen ruimschoots aan bod. De stof wordt geïllustreerd aan de hand van concrete voorbeelden van zowel alledaagse situaties als bepaalde ziektebeelden.

Aanvullende informatie onderwijsvormen

28 uur/ 14 hoorcolleges 2 uur / 1 vragenuurtje 10 uur/ 5 web-labs (incl. voorbereiding) 4 uur/ 2 werkcolleges 2 uur/ voorbereiding werkcolleges 95 uur/zelfstudie (incl. college- en tentamenvoorbereiding) 3 uur / tentamen 2 uur/ 1 practicum (alleen voor reguliere eerstejaars) 2 uur/ voorbereiding practicum (alleen voor reguliere eerstejaars) 20 uur/ werkstuk schrijven (alleen voor reguliere eerstejaars) 24 uur/ extra zelfstudie-opdracht, incl. tentamenvoorbereiding (alleen voor recidivisten, minor- en bijvakstudenten) De contacturen bestaan uit 14 hoorcolleges, 1 practicum, 2 werkcolleges, 1 optioneel werkcollege en een vragenuurtje. Let op: Reguliere eerstejaarsstudenten voeren andere extra opdrachten uit (practicum & werkstuk) dan recidivisten, minor- en bijvakstudenten (zelfstudie-opdracht).

- De hoorcolleges hebben tot doel de stof in de te bestuderen literatuur en kennisclips nader toe te lichten en met o.a. voorbeelden en korte opdrachten tot leven te brengen. Aanwezigheid bij de hoorcolleges is niet verplicht, maar de inhoud van de colleges maakt wel deel uit van de tentamenstof.

- Tijdens de werkcolleges worden een aantal onderwerpen uit de collegestof nader besproken. De werkcolleges worden uitgevoerd in groepjes van ca. 20 studenten.

- Daarnaast wordt de student regelmatig uitgenodigd tot zelfwerkzaamheid aan de hand web-labs, die worden uitgevoerd via Canvas. Deze opdrachten worden niet behandeld tijdens de colleges. Sommige web-labs fungeren

primair als een toets van de beheersing van de gedoceerde stof, terwijl in andere web-labs deze stof verder wordt uitgediept. Iedere web-lab is gedurende ongeveer 1 week beschikbaar.

- Reguliere eerstejaarsstudenten voeren als extra opdracht een practicum uit, waarbij zij een aantal coördinatiefenomenen aan den lijve ondervinden en aan de hand van opdrachten bestuderen. Naar aanleiding van dit practicum schrijft de student een individueel werkstuk. Tijdens een optioneel werkcollege kunnen zij feedback krijgen op een tusserversie van dit werkstuk.

- Recidivisten, minor- en bijvakstudenten bestuderen zelfstandig extra leerstof, die met een aantal extra vragen getoetst wordt tijdens het tentamen. Verplichte onderdelen voor reguliere eerstejaars: practicum, 2 werkcolleges, web-labs, werkstuk, tentamen. Verplichte onderdelen voor recidivisten, minor- en bijvakstudenten: 2 werkcolleges, weblabs, zelfstudie-opdracht (incl. toetsing), tentamen.

Toetsvorm

Schriftelijk tentamen met ja/nee-vragen. Het eindcijfer wordt voor 85% bepaald door het cijfer op dit tentamen.

Reguliere eerstejaarsstudenten: De overige 15% wordt bepaald door het cijfer voor het werkstuk. Het cijfer voor het werkstuk dient minimaal een 4,5 te zijn.

Daarnaast zijn uitvoering van de web-labs en actieve deelname aan het practicum en de werkcolleges een voorwaarde om de cursus te kunnen afronden.

Recidivisten, minor- en bijvakstudenten: De zelfstudie-opdracht wordt getoetst d.m.v. aantal een aantal extra, 'open' vragen, waarop een kort antwoord moet worden gegeven. Het cijfer voor dit onderdeel van het tentamen bepaalt voor 15% het eindcijfer. Daarnaast zijn uitvoering van de web-labs en actieve deelname aan de werkcolleges een voorwaarde om de cursus te kunnen afronden.

Literatuur

Verplichte literatuur:

- J. Tresilian (2012). Sensorimotor control & learning. An introduction to the behavioral neuroscience of action. Palgrave Macmillan: H1 t/m 4, §5.3, §7.1-2, §8.1, H9, H11, H12. Nadere

specificatie van verplichte paragrafen wordt aangegeven in de cursushandleiding.

- Collegedictaat

Extra verplichte literatuur voor recidivisten, minor- en bijvakstudenten (zelfstudie-opdracht): Hoofdstuk 8 (Locomotion on Legs) uit bovengenoemd boek.

Geadviseerde literatuur:

- Uit bovengenoemd boek: §5.4.2-3, §6.3, §7.3-5 (i.h.b. §7.5.4).

Afwijkende intekenprocedure

De indeling van de werkcollege- en practicumgroepen vindt plaats via Canvas.

Toelichting Canvas

Via Canvas worden de o.a. volgende zaken beschikbaar gesteld en/of

geregeld:

- cursushandleiding
- collegedictaat
- kennisclips (voorafgaand aan elk college)
- college-slides (na afloop van elk college)
- oefententamen & antwoorden (kort voor tentamendatum)

- (her)tentamenantwoorden (na afloop van (her)tentamen)
- web-labs (op de aangegeven momenten)
- inschrijving werkcolleges en practicum
- handleiding werkcolleges en practicum
- formateisen werkstuk
- inleveren werkstuk
- werkstukcijfer
- diverse mededelingen tijdens de cursus

Sexual Health: Threats and Opportunities for minor GAD

Vakcode	AB_1294
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	S.E. Duijs
Examinator	dr. M.E. Muntinga
Betrokken Docenten	S.E. Duijs, dr. M.E. Muntinga, M. Overman
Onderwijsvormen	Study Group, Lecture

Doel vak

The aim of this interdisciplinary course is to address sexual health in its larger sociopolitical, medical and scientific context, and to discuss ways in which public health research and policy can contribute to better sexual health of populations, communities and individuals.

This involves learning objectives related to theory, research methodology, health outcomes and health services.

The course brings together insights from the field of public (global) health, medicine, and the social sciences. Students who take this course should be motivated to collaborate with peers with various disciplinary backgrounds, and to think beyond the boundaries of their own academic fields.

Learning objectives are:

1. Students can describe different theoretical perspectives historically used to understand and investigate sexuality and sexual health, and identify these perspectives in sexual health research approaches and practices;
2. Students can describe main sexual health outcomes and their patterns and trends; they can apply these outcomes to (vulnerable) social groups such as sex workers, displaced populations, and gender and sexually diverse people in their political-cultural context;
3. Students can critically reflect on the concept of sexual health and sexual health risk;
4. Students can discuss intervention strategies and priorities to promote sexual health of communities, and can explain challenges researchers, policy makers and practitioners face in planning and implementing sexual health programs;
5. Students can formulate a qualitative or quantitative research question into the field of sexual health, systematically search scientific literature, write a literature review in which they answer their research question, and present their findings to their peers;
6. Students can seek out and synthesize different sources of knowledge (scientific, cultural, experiential) to describe current challenges in sexual health, and formulate recommendations for research, policy and practice.

Inhoud vak

We may or may not always notice, but we are surrounded by sexuality. Sex flashes at us from roadside billboards and our television screens. We discuss our own sex lives and those of others in cafes, at sports courts and at work, and sex jokes are part of the repertoire of many a comedian. In our modern, wired societies, sexually explicit material can be easily accessed on the internet. Sexuality is a huge part of our shared social world.

Sexuality as an academic subject covers more than just the physical act of having sex. When we talk about sexuality, we refer to a range of issues pertaining to, for instance, the body, sexual identities, orientations and expressions, value systems, and knowledge-producing organisations and institutions. Within the institute of science, the study of human sexual life and relationships is called sexology. American scientist Alfred Kinsey (1895 - 1956) is considered a pioneer in the sexology field, and his work has markedly contributed to our understanding of human sexuality – and how to research it. Now a familiar term to many, sexual health as a discipline of study emerged only after Kinsey completed his most famous work 'Sexual behavior in the human male' (1953).

Plenty of scientific studies teach us there is a firm connection between sexuality and (public) health. Some individuals experience that consensual and pleasurable sex adds to their mental health, while others stay sexually healthy by not having sex at all. But sex and health are not always positively correlated. Even sexual activity that is pleasurable might lead to adverse health outcomes such as Sexually Transmitted Infections (STI's) and unwanted pregnancies. Individuals who experience limitations in expressing themselves sexually might receive the medical diagnosis sexual dysfunction. Unfortunately, sexual violence is still a pervasive public health problem without an easy solution.

Because sex and sexuality are and remain important throughout the life course and across cultures, sexual health is not confined to a particular life stage, for instance the reproductive years, or to certain sociocultural groups or identities. The World Health Organisation (WHO) defines sexual health as a state of physical, mental and social well-being in relation to sexuality. It requires a positive and respectful approach to sexuality and sexual relationships, as well as the possibility of having pleasurable and safe sexual experiences, free of coercion, discrimination and violence. This definition emphasizes a positive approach towards sexuality and sexual behaviour, positioning sexual health as a fundamental aspect of human rights and highlighting the potential benefits of sexual activity, such as emotional and physical pleasure, intimacy and individual expression. However, definitions of sexual health that emerged during and after periods marked by the rapid spread of sexually transmitted infections (STI's) such as HIV/AIDS have highlighted the threats of sexuality, conceptualizing sexual health as, for instance, the absence of disease and illness.

In this interdisciplinary course, sexual health and its themes will be mainly approached from a public health perspective. Different topics related to sexual health will be discussed in more detail in order to come to a better understanding of sexual health in its individual, societal and scientific context. In addition, we will address theories and methodologies of research into sexual health, and examine implications of outcomes of such research for public health policy.

Aanvullende informatie onderwijsvormen

The course consists of lectures (on Wednesday morning), mentor/instructor sessions (on Monday morning), and seminars (on Wednesday afternoon). A proactive attitude toward group participation, reading and writing will enhance your course experience! Each week, a new theme is introduced that corresponds to the textbook chapters (i.e. Sexual Health. A Public Health Perspective (2012)). Students are encouraged to actively participate in group discussions and exchange scientific, cultural and individual perspectives. When discussing sexuality, mutual respect and deep listening skills are key.

We will work in a non-hierarchical setting, in which each individual's contribution is valued, and learning from each other is considered an essential classroom asset.

Lectures center on sexual health topics in the context of a textbook chapter. For instance, a lecture on sexual violence in the week about sexual health outcomes, or a lecture on research bias in the week about sexual health methodology.

The seminars center on elaboration and in-depth analysis of the theme within its scientific, societal and individual context. In the Monday sessions, students work on their course assignments. In the Wednesday sessions, students discuss current sexual health topics from a research and policy perspective, elaborate on the information presented in the textbook, and apply their knowledge to public health challenges. We will end the course with a debate on a current sexual health challenge.

Attendance: Lecture attendance is recommended. Mentor session and seminar attendance is obligatory. If a student is absolutely unable to attend, an alternative assignment should be made and handed in before the end of the course.

Toetsvorm

The assessment of the course consists of four parts:

1. Writing assignment – group grade (40%)
2. Written exam in week 8 (open questions) – individual grade (60%)

To complete the course, a minimum score of >5.5 for both the literature review and the exam is required. The grades cannot be compensated.

Paper writing assignment: Students collaborate in groups of 3-5 to write one paper (appr. 5000 words) about a current sexual health theme.

Writing tasks should be shared equally among group members.

Literatuur

The literature for this course consists of:

1. The book *Sexual Health. A Public Health Perspective* (edited by Kaye Wellings, Kirstin Mitchell & Martine Collumbien). ISBN: 9780335244812.
2. Scientific articles

Aanvullende informatie doelgroep

Target group for this interdisciplinary minor course are students from FALW, Biomedical Sciences and other students eligible to participate in the minor Five Big issues in Health, as well as students participating in the minor Gender & Diversity.

Overige informatie

Please note: This course will touch upon topics such as sexual assault, harassment and violence.

As course instructors, we value educational environments in which students' learning can thrive. We are therefore committed to considering different comfort levels with topics that might cause recollection of harmful events or trigger feelings of unsafety. At the same time, we also believe those topics are worth discussing and investigating, because they are essential for our collective understanding of individual and population sexual health and wellbeing – and for developing effective interventions, so that we can move toward equitable health care systems responsive to the needs of people at risk of victimization and survivors.

If you read the above and wonder whether this course is for you, feel free to reach out to one of the instructors. Together, we can discuss your options.

Course instructors:

- Saskia Duijs, instructor and course coordinator
- Marik de Koning, instructor
- Instructor TBA

Examinator: Maaïke Muntinga

Afwijkende intekenprocedure

You have to register for the Minor Five Big Issues of Health or the minor Gender and Diversity.

Shared Value Creation

Vakcode	E_MFS_SVC
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. H.L.F. de Groot
Examinator	prof. dr. H.L.F. de Groot
Betrokken Docenten	prof. dr. H.L.F. de Groot, dr. N. Arnold
Onderwijsvormen	Study Group, Lecture, Instruction course

Doel vak

After successfully completing this course the student:

- can understand and apply theories related to shared value and sustainable development (Academic and Research Skills).
- can explain the complex theoretical, empirical and societal debate on the relationship between organizations, technological dynamics, society, and the natural environment and the implications for the transition in the direction of sustainable development (Bridging Theory and Practice - Knowledge)
- can explain which stakeholders have which stakes, and how to act-react and on those. (Bridging Theory and Practice - Knowledge)
- has experienced how concepts (shared value, sustainability, circular economy) translate into concrete actions, policies and products (integral accounting, innovation, adoption, lobby). (Bridging Theory and Practice - Application)
- has developed social skills and logic argumentation in debates. (Social Skills)

Inhoud vak

This course examines the fundamental technological and organizational transitions that are ahead of companies and that are required to deal with the grand challenge of sustainable development. A shift from narrow profit maximization to shared value creation seems eminent. But how is shared value created? With which stakeholders?

This course will give you insight into what strategic reorientation is needed to create shared value: what technologies, products and markets to focus on and whom to work with. After completing the course, you will understand which fundamental changes are needed in business operations, how governments can successfully intervene to change firm behavior into

a more sustainable direction, and how these changes are embedded within the wider stakeholder network.

Part 1 of the course presents the theoretical and empirical framework that will be used to analyze innovation and adoption behavior of firms. It includes a discussion of the context within which the company behaves and an analysis of the effectiveness of policy instruments. How can companies create shared value? How does this influence their strategy and performance? What are the challenges the firm and government face in the transition towards a sustainable future? Also the transition from linear to circular production processes will receive ample attention.

Part 2 focuses on how the paradigm shift from a shareholder to a stakeholder approach as shared value creation is a multi-stakeholder challenge. Who are key stakeholders? What challenges do companies face in integrating stakeholder knowledge? And how can the collaboration with stakeholders help the company succeed?

Aanvullende informatie onderwijsvormen

Lectures and Tutorials

Toetsvorm

Written exam – Individual assessment
(Interim) Assignment(s) – Group assessment
Class participation

Literatuur

A collection of articles that will be announced at the start of the course.

Small Business Development

Vakcode	E_IBK3_SBD
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	drs. A.C. Guldemon
Examinator	drs. A.C. Guldemon
Betrokken Docenten	drs. A.C. Guldemon, drs. G.J. Beekman MA
Onderwijsvormen	Seminar, Lecture, Instruction course

Doel vak

SBD 3.5 specifically addresses the Small and Medium Sized Enterprise (SME) phenomenon.

How are general trends and specific strategic issues and theories different (or: the same) when it comes to starting, growing and managing small businesses. This starts naturally with the birth of a startup and the development towards an established business and further growth, stagnation or demise as the business gets older. But the context is also relevant being it a certain industry or a country like Amazon.com in the tech world and an electronics store on a market in Dar es Salaam in Tanzania.

The course is part of the Bachelor Specialisation Entrepreneurship and could lead to a Masters in Business Administration or a Masters in Entrepreneurship. This shows in the topics covered, the papers used, the guest lectures and the assignments. Essential papers of Entrepreneurship, Innovation, Strategy and Organization are presented within the context of SME's.

Academic & research skills:

- argumentation – being able to argue the topics involved.
- application – applying acquired knowledge to business situations like starting a business
- analysis – examining and understanding problems from different perspectives

Bridging theory and practice:

- has fundamental knowledge about the those disciplines relevant to the fields of entrepreneurship, strategy and organization
- has specialised, in-depth knowledge and insights in the field of business development
- is able to apply theoretical knowledge in a specific business situation
- is encouraged to actively experience the chosen field in real-life during the study

Many students participating in this course want to start and own a business. Some others want to find out if running a small business is for them, if that is a role they could take. They want to learn what makes a small business work well and what it means for the owner/manager to run a small business. They especially want to know about the factors that make a small business fail or succeed. They also Exchange students sometimes pick this course to learn about business in one period.

With regards to theory this course builds upon courses like Organization Theory, International- Strategy, Organisation Behaviour and Human Resource Management. With regards to the research and fieldwork to be done, this course most specifically builds on Business Research Methods I (BK and IBA), Business Research Methods II (BK and IBA) and uses the learnings and experience from the Integrative Research Project (BK and IBA) in the second year. The students will employ previously learned qualitative research skills to research into SME cases and their own startup case.

Inhoud vak

Small and Medium Sized Entreprises (SME's) are facing tremendous challenges, with the ongoing digitalization and globalization today's world of business is facing. Next to the distinction in terms of size, SME businesses can also be distinguished on the basis of their qualitative characteristics, such as the crucial role of the owner-manager, the strong local and regional focus and the presence of family in the business.

Topics covered:

The role of small business in the economy is covered. The theory and practice of the startup will also be covered. Aspects of growth and development will be covered such as planning, organizing, strategizing and leading small organizations. Different aspects of innovation both in theory and practice will be part of the course. Small business in a third world, resource poor, context will be explained. Cases focussing on the numbers and finance of a small business will be part of the classes. This course offers a balance between theory, research and practice within the frame of small business.

Aanvullende informatie onderwijsvormen

Lectures with a focus on learning to apply the knowledge
Instruction Lectures with teaching cases and documentaries
Tutorials with a focus on building a business and solving business problems.

Toetsvorm

Individual and group assessment

Literatuur

Scarborough, N. M. (2015). Entrepreneurship and effective small business management, global edition (11th ed.). Pearson.

Other academic papers and book chapters, to be announced

Aanvullende informatie doelgroep

Students interested in the development of smaller organisations like startups, NGO's, SME's and family businesses.

Students interested in starting or owning or taking over a business

Students interested in continuing their studies in business, strategy, organisation and entrepreneurship

Toelichting Canvas

Canvas is used.

Aanbevolen voorkennis

BK:

1.1 Management & Organisatie; 2.1 Strategie; 2.4 KWALO; 2.5 KWANO ; 2.5 Strategisch Ondernemerschap;

IBA:

1.2 Organization Theory; 1.3 Academic Skills; 2.2 International Strategy; 2.4 BRM I; 2.5 BRM II.

Exchange students: A social sciences research methods course

Sportpsychologie

Vakcode	B_SPORTPSY
Studiepunten	6.00
Periode	P1
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. Y. Hill
Examinator	dr. Y. Hill
Betrokken Docenten	dr. R.R.D. Oudejans, dr. Y. Hill
Onderwijsvormen	Hoorcollege

Doel vak

Studenten beschikken over kennis van en inzicht in de belangrijkste onderwerpen, stromingen en theorieën van de sportpsychologie.

Inhoud vak

De cursus beoogt de studenten te introduceren in het domein van de sportpsychologie en hen kennis te laten maken met het gebied van de exercise psychology. Aan de hand van het boek 'Sportpsychologie' vindt kennismaking plaats met de belangrijkste onderwerpen van de sportpsychologie. Aan de orde komen onder andere:

- sportpsychologie en de relatie van sportpsychologie met 'de' psychologie; de ontwikkeling van de sportpsychologie;
- motivatie, attributie en emotie en sport;
- persoonlijkheid en sport;

- mentale vaardigheden en mentale training;
- coaching;
- sportteams;
- agressie, blessures, burn-out, verstoord eetgedrag en 10.000 uur oefenen;

Per hoofdstuk zal ook een wetenschappelijk artikel in het Engels bestudeerd moeten worden.

Daarnaast wordt kort stilgestaan bij mentale voorstellingen.

Kennismaking met de exercise psychology vindt plaats aan de hand van

het hoofdstuk over "Exercise behavior and adherence" uit het boek

'Foundations of sport and exercise

psychology' van Weinberg & Gould, waarbij onder andere aandacht wordt

gegeven aan verschillende modellen van gedragsverandering.

Aanvullende informatie onderwijsvormen

De cursus omvat 12 hoorcolleges van elk twee uur en wordt afgesloten met een tentamen. De resterende circa 144 uren zijn voor zelfstudie. Twee van de 12 colleges zijn gastcolleges verzorgd door sportpsychologen die in de praktijk van de sport werkzaam zijn.

Toetsvorm

Tentamen (waar-onwaarvragen).

Literatuur

- Bakker, F.C., & Oudejans, R.R.D. (2019). Sportpsychologie. Nieuwegein: Arko Sports Media, 5de herziene druk; of 6de druk;
- Weinberg, R.S. & Gould, D. (2015 of 2019). Foundations of sport and exercise psychology. Hieruit Hoofdstuk 18 (6de druk pp. 425-456) of Hoofdstuk 19 (7de druk pp.435-466), Exercise behavior and adherence. Champaign, IL: Human Kinetics.
- Aanvullende literatuur wordt aan het begin van de cursus opgegeven en is opgenomen in de cursushandleiding.

State, Power and Conflict

Vakcode	S_SPC
Studiepunten	6.00
Periode	P1
Vakniveau	100
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. H.J.E.M. Jongen
Examinator	dr. H.J.E.M. Jongen
Betrokken Docenten	dr. H.J.E.M. Jongen, P. Lutz
Onderwijsvormen	Lecture

Doel vak

This course aims to familiarize students with key concepts and approaches in political science and how to apply these in order to gain a better understanding of the recent history of, and contemporary issues in, world politics.

Learning outcomes:

Knowledge and understanding – The student has acquired knowledge and understanding of:

- (1) different approaches to studying politics, democracy, power and influence;
- (2) what 'states' and 'nations' are and how the modern nation state (system) came into being;
- (3) key approaches in political science and an overview of the discipline and major sub-disciplines;
- (4) the different ways in which power can be institutionalized and legitimized;
- (5) the main developments in the history of world politics from the Peace of Westphalia to the Iraq War, and the current era of globalization and the power shift to Asia;
- (6) the main patterns of cooperation and conflict among states as well as non-state actors.

Skills – The student is able to:

- (7) apply the key political science concepts and approaches within the sub-discipline of Comparative Politics and the sub-discipline of International Relations in an analysis of (contemporary) political issues.

Inhoud vak

This course provides a general introduction to major concepts and key approaches in political science. It consists of two parts. In the first part, a critical overview is given of several key concepts and their position within political science such as 'ideology', 'power', 'legitimacy', 'the state', 'the nation' and 'democracy', as well as contending perspectives on conflict and cooperation within modern political systems.

We will also discuss contemporary political phenomena (manifest in many different countries) such as the rise of populism. Thus, the first part of the course primarily focuses on concepts and topics related to the sub-discipline of Comparative Politics. The second part of the course introduces students to contemporary world politics and the main concepts and theories in the sub-discipline of International Relations. It first provides an overview of international political history from the 17th century to the present. We then seek to understand history by identifying recurrent patterns of cooperation and conflict between and within states, looking at the role of both state- and non-state actors. We will also apply some of the concepts that we discussed in the first part of the course.

The second part of the course will be concluded with a discussion of several key features of and developments in contemporary global politics, such as the role of the UN, current international conflicts, the information revolution and the growing web of transnational relations.

Aanvullende informatie onderwijsvormen

Lectures

Toetsvorm

Final exam.

Literatuur

To be announced in the course manual (see CANVAS).

Aanvullende informatie doelgroep

First-year Bachelor students in Political Science, Pre-Master students in Political Science, Minor students in Political Science

Statistics

Vakcode

E_EOR1_STAT

Studiepunten	6.00
Periode	P4+5
Vakniveau	100
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. E.J.J. Wijler MSc
Examinator	dr. E.J.J. Wijler MSc
Betrokken Docenten	J.O. Bauer
Onderwijsvormen	Lecture, Seminar, Written partial exam

Doel vak

The course statistics is an introduction into the basic concepts of mathematical statistics. At the end of the course the student can formulate statistical models, derive different types of estimators, formulate and execute various hypothesis tests and construct confidence intervals.

Inhoud vak

In statistics one tries to make statements about the generating process behind observed data. The lectures include: statistical models, point estimations, hypothesis tests, and the construction of confidence intervals; probability theory and classes of probability distributions are added to these topics when they are needed. The material is illustrated on the basis of many (practical) examples. In this course, the emphasis is on parametric statistics, in which the probability distribution is known up to a finite number of parameters.

Aanvullende informatie onderwijsvormen

Lectures: 2 times 2 hours of lectures per week

Tutorials: 1 time 2 hours of tutorial per week

The purpose of the lectures is to gain new knowledge and insights from mathematics. As the course progresses so will the level of abstractness. It is very helpful to prepare yourself by reading relevant sections in the book and/or lecture notes before you come to the lecture.

In the tutorials we focus on solving statistical problems in the form of exercises. Most exercises are of an applied nature although some will ask you to provide a theoretical result. Answers are important, but the route to the answer is obviously more important than the answer itself. Note that the exam questions will be very similar to the tutorial exercises. The tutorials are therefore a useful preparation for the examination.

Toetsvorm

Individual assignment

Midterm - individual assessment

Final written exam - individual assessment

Literatuur

- "Statistical Inference" by G. Casella and R.L. Berger (2008), International Edition of the 2nd revised edition, Cengage Learning.
- Lecture notes
- Slides

Aanvullende informatie doelgroep

First year Bsc Econometrie & Operations Research and first year Bsc Econometrics and Data Science.

Aanbevolen voorkennis

This course presumes that students are familiar with abstract reasoning and calculus. In addition, knowledge of probability theory as treated in the courses Probability Theory (E_EOR1_PT) or Introduction to Data Science (E_EOR1_IDS) is required.

Strategic Management from a Practice Perspective: A Day in the Life of a CEO

Vakcode	E_IBK3_SMPP
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. J.L.F. Schad
Examinator	dr. J.L.F. Schad
Betrokken Docenten	dr. J.L.F. Schad
Onderwijsvormen	Hoorcollege, Werkcollege, Instructiecollege

Doel vak

At the end of the course, students should be able to:

- Broadening your horizon: Get insight into the tasks and challenges that CEOs of multinational firms are facing in their day-to-day work as a strategy maker;
- Bridging theory and practice: Be able to relate popular management frameworks to strategic challenges that company leaders experience;
- Social skills: Act as an 'executive board' with fellow students, making a strategic plan for an existing organization;
- Self awareness: Be able to critically reflect on the decisions, actions and behavior of a CEO, put yourself in his/her shoes and define personal learning goals.

Inhoud vak

The course aims to familiarize the student with the most important themes relevant for the strategic management of a firm. It aims to put students into the position of a CEO and expose them to those issues a CEO needs to deal with in a strategic manner. The lectures and tutorials will be focused on three strategic themes: 1) context analysis & scenario planning; 2) strategy & business model; and 3) change management & leadership. Students will learn to take a birds-eye point of view and learn how these strategic themes are interrelated, both in theory and in practice. Students will work as an executive board on a strategic plan that deals with the three above-mentioned themes in a coherent manner. Students will further be asked to use the insights from this course to critically examine the strategic decision making and behavior of a well-known CEO of their choice (such as Elon Musk, Mary Barra or Daniel Zhang) based on publicly available data such as speeches and videos.

Aanvullende informatie onderwijsvormen

Lectures
Tutorials

Toetsvorm

Individual and team assessment

Literatuur

This course is article based.
Readings will be announced in course manual.

Aanbevolen voorkennis

BK:

- 1.1 Management & Organisatie;
- 2.1 Strategie;
- 2.5 Strategisch Ondernemerschap;
- 3.4 Foundations of Strategic Management

IBA:

- 1.2 Organization Theory;
- 1.3 Academic Skills;
- 2.2 International Strategy;
- 3.4 Foundations of Strategic Management

Strategic Management of Technology and Innovation

Vakcode	E_MFEN_SMTI
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. S.A. Rijdsdijk
Examinator	dr. S.A. Rijdsdijk
Betrokken Docenten	dr. S.A. Rijdsdijk, prof. dr. ir. J.J. Berends, H.K. Fults, E.M. Haynes, C.C. van der Geest
Onderwijsvormen	Seminar, Lecture

Doel vak

Academic & research skills:

In this course students learn to critically evaluate innovation management concepts from academic literature and popular management press.

Bridging theory and practice - knowledge:

In this course, students gain theoretical understanding concerning:

- innovation types and the external innovation environment including innovation trajectories, standards, platforms, and ecosystems
- the development of innovation strategies and their operationalization in project selection, collaboration, and protection
- the product development process and organizational conditions for innovation

In this course, students gain insight in:

- the strategic importance of technological innovation for firms and society,
- recent developments in technology and innovation

Bridging theory and practice - application

In this course, students develop skills to analyze real life cases.

Inhoud vak

This course focuses on the strategic management of technology and innovation. Innovation refers to the development and implementation of new products, services, processes and business models and many of those innovations are enabled by technological developments. Innovation is crucial for business organizations to stay competitive in ever changing markets. In this course, students learn to understand and apply basic theories behind the processes of technology-based innovation within organizations and their environments, the development of innovation

strategies, and the organizational implementation of innovation strategies. Theoretical understanding is applied in a simulation game and real life cases focusing on managerial dilemmas in the management of innovation.

Aanvullende informatie onderwijsvormen

Lectures
Tutorials

Toetsvorm

Individual assignment
Group assignments
Written exam

Literatuur

- Schilling, M. (2019). Strategic management of technological innovation (6th ed). Boston: McGraw-Hill.
- Selection of academic articles (listed in course manual)
- Lectures, tutorials, and lecture slides/knowledge clips

Sub-Saharan Africa and the World, 1800-present

Vakcode	L_GABAGES226
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. W. Mwatwara
Examinator	dr. W. Mwatwara
Betrokken Docenten	dr. W. Mwatwara
Onderwijsvormen	Lecture

Doel vak

- To give an intensive introduction to an unfamiliar period and/or approach to the study of history;
- To offer experience in the history and debates about sub-Saharan Africa and the world since 1800;
- To develop skills in analysing historiography; and
- To develop core skills such as: bibliographical search techniques; source analysis; essay writing; giving presentations; and, undertaking independent research.

Students who complete this module successfully will:

- Acquire insight into the history, historiography, and debates about the historical relationship between sub-Saharan Africa and the world since 1800;
- Comprehend how incorporation into/ participation in global networks has shaped sub-Saharan African societies over time.
- Work with primary and secondary sources, applying appropriate concepts and (digital) methodological tools;
- Effectively communicate their ideas in oral form, participating actively in class, preparing group presentations, and coordinating class discussions;
- Develop their academic writing skills, by preparing a book review, a primary source analysis, and a research paper based on primary and secondary sources.

Inhoud vak

Africans and people for whom Africa has been a critical point of reference are actors on the world scene and have been for a long time. For this reason, sub-Saharan African countries, institutions, people, and economies are intertwined with the world in many ways. Its recent history has mostly been characterized by, among other things, violent conflict, abject poverty and governmental mismanagement. Despite its long painful and tragic engagement with the world, sub-Saharan Africa is probably one of the most misunderstood and misrepresented regions in the modern world. This module utilizes sub-Saharan Africa as a starting point from which to explore the spatial, technological, political and socio-economic location of Africa in global networks since 1800, and demonstrate how this has had an impact on the African condition. It seeks to inculcate a productive understanding of Africa's place (past and present) in the world. Special attention is given to the dynamics that produced generations of African facilitators, as Joseph Miller has argued, "from the suppliers of slaves through post-colonial "gatekeeping" elites brokering flows of funds and commodities between national economies and international capital, often to their and their clients' personal advantage." An understanding of the relationship between sub-Saharan Africa and the world enriches understanding of both global connections and specific regional, sub-regional and local contexts. Crucially, it encourages students to assess how Africans shaped as well as experienced such engagements.

Aanvullende informatie onderwijsvormen

2 Seminars (4 hours per week) plus work in archives, independent and assisted by teachers (scheduled moments)

Toetsvorm

- Participation in class (10%)
- Research portfolio (40%), including
 - > a book review (20%)
 - > a primary source analysis (10%)
 - > a research pitch: an oral presentation of the research paper (10%)
- Research paper (50%)

Format: The teacher will provide a list of texts that students can select. Students are also allowed to suggest their own preferred texts. Within the broader theme, the reading list will be adapted to fit the interests and needs of the students who participate.

Meetings: weekly, by appointment.

Reading list as discussed with students (ca. 600 pages)

Sustainability and Environmental Change

Vakcode	AB_1230
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. F. Riva
Examinator	dr. F. Riva
Betrokken Docenten	A.C. Cassanti, dr. F. Riva, dr. P. Scussolini
Onderwijsvormen	Seminar, Lecture

Doel vak

In this course students learn about the environment's pivotal role in

achieving sustainable solutions for human development, mainly focused on global environmental problems. After this course, students:

1. can explain key concepts from the natural sciences relevant for sustainability studies;
2. can characterize key components of the environment, namely water, land and atmosphere, and can explain key

processes affecting their characteristics;

3. can explain the role of the environment in socio-environmental systems;

4. can identify methods to quantify the state of the environment, and analyze environmental change;

5. are familiar with data and trends for relevant the environmental conditions for specific sustainability challenges.

Inhoud vak

The environment plays a crucial role in supporting societies, for example by providing materials, energy, food, clean air, and clean water. Environmental conditions change over space and time, influenced by both natural and human factors. In this course students learn about the environment's pivotal role in achieving sustainable solutions for human development. Starting from the key environmental components water, land and atmosphere, we characterize environmental change and how that leads to other environmental and societal changes. Methods to assess environmental change are addressed and students identify for their specific case studies what strengths, opportunities, weaknesses, and threats are associated to the 'planet dimension'. The course comprises interactive lectures and exercises and is evaluated through an assignment and a written exam.

Aanvullende informatie onderwijsvormen

The course is organized in thematic weeks, which provide students with an understanding of the specifics of the dimensions water, land and atmosphere, how these can be studied and how they interact. Each week has 1 to 2 lectures, in parallel to which students develop their assignment. Lectures and assignment are supported by in-class discussions, reading material, and exercises.

Toetsvorm

The course will be evaluated through

- 1) A 3-minute speed talk (presentation) describing a sustainability challenge in quantitative terms (30% of final grade)
- 2) A closed-book written exam (70% of final grade).

Note:

- An overall minimum grade of 5.5 is required to pass the course.
- A minimum grade of 5.0 for the exam is required to pass the course.
- There is one resit opportunity for the exam (will be discussed, typically a few months after).
- Assignments with a grade lower than 5.5 can be improved once, after which the maximum grade that can be obtained for the assignment is 6.0.

Literatuur

The course builds on a series of selected articles, relative to the lecture content. Required and recommended readings are listed at the

learning environment.

Moreover we make use of:

- Open data sources, educational software packages, websites, videos etc

Aanvullende informatie doelgroep

The course is primarily aimed at students following the minor Sustainability: Global Challenges, Interdisciplinary Solutions, but is open to all 3rd year BSc students.

Overige informatie

The course is coordinated by Dr. Federico Riva

Core lecturers:

- Dr. Federico Riva
- Dr. Paolo Scussolini

Sustainable Business Processes

Vakcode	E_MFS_SBP
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. ir. D.A.M. Inghels
Examinator	dr. ir. D.A.M. Inghels
Betrokken Docenten	dr. ir. D.A.M. Inghels, S. Hülögü
Onderwijsvormen	Study Group, Lecture

Doel vak

After successfully completing the course Sustainable Business Processes you are able to

- Analyse business and societal problems taking into account the interests of different stakeholders (economic, ecological, societal, and others)
- Quantify the economic, ecological, and societal objectives for business process cases and find optima using multi-objective linear optimization
- Apply systems thinking using System Dynamics to examine the dynamic behaviour of business and societal processes
- Understand the transition from a linear to a circular economy and its implications for managing business processes
- We put emphasis on applying the methodologies to real-life cases

Inhoud vak

This course aims to introduce students to operationalizing sustainability in business and societal problems. We define sustainability as the combined economic, environmental, and social optimum of business process alternatives that take into account constraints, such as technological limits or legislation, also known as the triple bottom line (TBL) approach of People-Planet-Profit optimization. Life Cycle Assessment (LCA) is presented as a methodology to quantify the environmental impact of products and processes and Analytic Hierarchy Process (AHP) to quantify social impact. Multi-Criteria Decision Analysis is introduced as a concept to operationalize the TBL approach for practical business process problems. Next, we discuss systems thinking using Systems Dynamics for understanding and evaluating the complex and interactive behavior of systems, such as sustainable supply chains. Finally, the transition from a linear to a circular economy and its effects on business processes is discussed.

Aanvullende informatie onderwijsvormen

12 Lectures and 6 computer tutorials of each 2 hours

Toetsvorm

Doelgroep

Written exam – Individual assessment;
Two written assignments – Group assessment that may be corrected depending on the individual contribution

Vereiste voorkennis

Students should have a basic knowledge of business processes or operations management and business mathematics. Students are expected to have a basic understanding of MS Excel before the start of the course.

Literatuur

Mandatory readings:

- (1) Inghels, D. (2020). Introduction to Modeling Sustainable Development in Business Processes - Theory and Case Studies. Springer Nature Switzerland AG. Online: <https://www.springer.com/gp/book/9783030584214#aboutBook>
- (2) Fiksel, J. (2015). Resilient By Design: Creating Businesses That Adapt and Flourish 35 in a Changing World, ISBN: 978-1-61091-684-4 (Print) 978-1-61091-588-5 (Online), Online: <http://link.springer.com.vu-nl.idm.oclc.org/book/10.5822/978-1-61091-588>

Aanvullende informatie doelgroep

This course is part of the Minor Sustainability and Innovation.

Overige informatie

During the course, models will be built using software tools. Students should be interested in applying mathematics using software tools. Moreover, working out two written assignments in groups appeals to your commitment to contributing to the success of the group result.

Sustainable Entrepreneurship

Vakcode	E_MFEN_SE
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	A.M. van Erkelens
Examinator	A.M. van Erkelens
Betrokken Docenten	A.M. van Erkelens, I. Chatterjee
Onderwijsvormen	Study Group, Lecture

Doel vak

L1 Academic and Research Skills: Students are able to understand how entrepreneurship can contribute to sustainable development and are able to analyze sustainable business opportunities and sustainable business models.

L2 Bridging theory and practice: Students gain a basic understanding of implementing sustainability considerations into the entrepreneurial process, and are able to translate this knowledge into the development of a sustainable business model.

L3 Social Skills: Students are able to work in a small team and further develop their communication skills by orally presenting their sustainable business model.

L4 Broadening your Horizon: Students are able to consider environmental implications of a business model and understand how entrepreneurship can contribute to sustainable development.

L5 Self-Awareness: Students are able to critically reflect on their individual and team performance during the

course, and the sustainable impact they could make as an entrepreneur.

Inhoud vak

This course inspires and enables students to become “sustainable changemakers” by providing them academic knowledge and practical tools for understanding how entrepreneurship can contribute towards sustainable development. It draws on a rapidly emerging body of research and business cases on sustainable entrepreneurship that move beyond viewing entrepreneurship as merely oriented at profit-maximization towards an understanding of entrepreneurship as a vehicle for tackling the world’s existential sustainability threats. Indeed, solving the sustainability challenges we are confronted with in the 21st century (as captured by the UN Sustainable Development Goals) requires an ongoing stream of new, sustainable entrepreneurial initiatives. In this course, students will learn about the needs and motivations for sustainable entrepreneurship, the role of system thinking in addressing sustainability issues, and different types of sustainable business models, including circular business models. Specifically, students will learn about how market imperfections create new sustainable business opportunities and are taught techniques and methods for evaluating sustainable business opportunities, designing holistic sustainable business models, and presenting professionally and convincingly to different audiences.

The course combines interactive lectures and practical assignments that challenge students to consider how they can personally identify and offer new and creative insights into solving sustainable development challenges through entrepreneurial practices. To appreciate sustainable entrepreneurship in practice, examples and case studies from selected industries (e.g., food and tools) will be interwoven throughout the course. Furthermore, within the setting of a course group project, students can work on developing their own sustainable business ventures and participate in the competition Seismic Awards.

Aanvullende informatie onderwijsvormen

Lectures (2 hours weekly) and tutorials (4 hours weekly)

Toetsvorm

Assessment is based upon group assignments, individual assignments and an exam.

Literatuur

Selection of articles and cases to be announced on canvas

Aanvullende informatie doelgroep

Students from the minor Entrepreneurship

Talent and Talent Identification

Vakcode	B_TALIDENT
Studiepunten	6.00
Periode	P3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	dr. D.L. Mann
Examinator	dr. D.L. Mann
Betrokken Docenten	dr. D.L. Mann
Onderwijsvormen	Hoorcollege

Doel vak

By the end of this course, the aim is that you will be able to design a basic evidence-based system of talent identification and development for an applied organisation (e.g., in sport, music, or another area of expertise).

We will achieve this aim by learning to:

1. Evaluate the relative contributions of ‘nature’ and ‘nurture’ in the development of talent;

2. Understand how talent develops and apply that knowledge to identify the stage of development at which talented athletes should be identified;
3. Identify the impact that environmental factors such as an individual's date or place of birth can have in influencing the development of talent;
4. Critically evaluate the limitations of existing measures of talent and suggest newer measures that overcome those limitations;
5. Evaluate whether talent identification systems used by applied sporting organisations (both in the Netherlands and overseas) adhere to best scientific practice.

Inhoud vak

The ability to identify and develop talent in potentially skilled athletes is a central role for many coaches, scientists, and sporting administrators. National and professional sporting organisations invest substantial amounts of time and money in establishing systems designed to identify and nurture future talent, yet there is still considerable doubt about which approach is most likely to be successful, and how effective these systems may be.

This course on Talent and Talent Identification will assess what it takes to become talented in sport and other areas of expertise (e.g., music, dance), and will uncover what we know about the ideal conditions for developing skill. The course will address the new and developing area of research that seeks to evaluate existing talent identification systems and to develop newer, more evidence-based procedures for identifying and developing talent. Further, guest lecturers from professional sporting organisations will reveal the systems that they have in place to identify and nurture talent.

Aanvullende informatie onderwijsvormen

The course consists of 12 lectures (mandatory attendance, 18 hours in total), in addition to the expectations of self-study (approximately 114 hours), at least one assignment (approximately 10 hours total), and a final assessment (assignment or exam).

The course is taught primarily in English, though some readings and guest lectures may be in Dutch.

Toetsvorm

Assessment comprises at least one assignment and may include a final exam.

Literatuur

Textbook: Baker J., Cobley S., Schorer, J. (2020) Talent identification and development in sport. International perspectives. Routledge: Abingdon, Oxon

Aanvullende informatie doelgroep

The course is taught in the Department of Human Movement Sciences but is open to students of all backgrounds with an interest in talent identification in sport and other areas of expertise.

The Developing Brain

Vakcode	AB_1059
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels

Faculteit	Faculteit der Bètawetenschappen
Vakcoördinator	dr. M.C. van den Oever
Examinator	dr. M.C. van den Oever
Betrokken Docenten	dr. L.N. Cornelisse, prof. dr. B.P.C. Kreukels, dr. M.C. van den Oever, prof. dr. R.E. van Kesteren, B.M.W. Borgman, dr. V.M. Heine, dr. L.R. van der Kallen
Onderwijsvormen	Study Group, Computer lab, Lecture, Practical

Doel vak

Students will learn about mechanisms in the brain that underlie normal and aberrant brain development, shaping the life of individuals over time.

Inhoud vak

The focus of this course is on phases of brain development that shape the life of individuals over time. The brain performs differently at various ages. Whereas the young brain is very plastic, the aging brain gradually loses its adaptive capacity. Importantly, early and late brain development are affected by specific genetic factors and vulnerable to changes induced by environmental stimuli. These alterations can result in neurodevelopmental and neurodegenerative disorders.

The course consists of three modules (one week per module), each covering a critical phase of brain development. In module 1, we will focus on early (prenatal) brain development and its relation to brain disorders such as autism. In the second module, we will focus on postnatal brain development and how alterations contribute to issues during childhood and adolescence, such as gender identity and schizophrenia. In the last module, we will discuss cognitive decline associated with normal brain aging as well as specific diseases of aging, such as Alzheimer's and Parkinson's disease. Notably, each module contains a keynote lecture related to the topic of the module. Keynote lectures are given by renowned experts in their fields and are mandatory for all students.

In addition, students will perform a Science in the Media assignment. Scientific findings are not always accurately covered in main stream media due to various reasons. The goal of this assignment is that students learn to critically read and evaluate a media coverage of a scientific study, and to present their evaluation of the flaws/strengths of a media article in small groups to their peers.

Aanvullende informatie onderwijsvormen

Lectures: 30 h Workgroups: 4 h Q&A sessions: 3 h Self study: ~60 - 120 h (in between lectures, students are expected to spend time on reading of literature to prepare for next lectures/workgroups and to make assignments on canvas).

Attendance at the Science in the Media sessions and keynote lectures is mandatory.

Toetsvorm

Exam (E; multiple choice questions and open questions): 80%
Academic skills assignment (A): 20%
The grade of both tests has to be >5.5 to pass the course.

Students have the option to resit the exam (E).

Vereiste voorkennis

This course is part of the minor Brain and Mind. University students need at least 90 ECTS to be eligible for (courses in) this minor. HBO students can follow (courses in) this minor if they have at least 120 ECTS.

Literatuur

Exam material: Slides of all lectures (will become available on Canvas).

Recommended reading material: will become available on Canvas.

No mandatory literature/books.

Aanvullende informatie doelgroep

Students of the minor Brain & Mind.

Third year bachelor students who are interested in the neurobiology of the brain during prenatal and postnatal development, as well as aging. Due to curriculum overlap, students from Biomedical Sciences and Health and Life Sciences from the VU cannot follow this course.

Overige informatie

This minor course requires a minimum of 20 participants.

Afwijkende intekenprocedure

Students are assignment to groups on Canvas

Toelichting Canvas

Slides of the lectures and recommended reading material will become available on Canvas in three modules.

Each module ends with quiz questions about the lectures of that module. Quizzes have to be completed by the student to be able to access the next module.

Keynote lectures will end with an open question that has to be answered on Canvas. Therefore, the student has to make sure that he/she has access to Canvas during the keynote lectures.

Students have to upload their Science in the Media assignment to Canvas.

Aanbevolen voorkennis

This course is part of the minor Brain and Mind. A basic understanding of neurons, neurophysiology and molecular biology (DNA and proteins) is required. For this, we recommend to follow the courses 'Cognitive Neuroscience' and 'Nature versus Nurture' of this minor.

The Law and Politics of Fencing the Use of Force

Vakcode	S_LPFUF
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	prof. dr. W.M. Wagner
Examinator	prof. dr. W.M. Wagner
Betrokken Docenten	prof. dr. W.M. Wagner, prof. dr. W.G. Werner, prof. dr. S. Protschky
Onderwijsvormen	Seminar

Doel vak

When finalizing the course, students will have knowledge and understanding of:

- The prospects and problems of international law as an instrument of mitigating and overcoming inter-state war;
- The historical context in which certain approaches concerning fencing and the use of force have developed;
- The prospects and problems of systems of collective security;

- The prospects and problems of combining international law and political science in studying international security.

Inhoud vak

The aim of this course is to introduce students to the changing international rules and regulations on the use of armed force from the perspectives of international law, history and political science/international relations. Over the course of human history, the nature of war and armed conflict has been changing frequently and dramatically. In addition to technology, these developments have been driven by changing ideas about just causes and legitimate ways of using armed force. Limiting the human costs of war has become an ever more powerful motive in designing and modifying the rules governing the use of force. The prime instrument of constraining the use of armed force has been international law. The course discusses the most important developments in the laws of armed conflict since the late Middle Ages, including just war theory, collective security and humanitarian interventions from an interdisciplinary perspective that builds on Public International Law and Political Science/International Relations. This interdisciplinary perspective allows a comprehensive understanding of the achievements and shortcomings in the laws and politics of constraining the use of force. Milestones under discussion include early modern concepts of just war, the balance of power system of the 19th century, colonial warfare, the League of Nations, the United Nations system and wars of decolonization.

Aanvullende informatie onderwijsvormen

This course will be taught in interactive seminars on campus.

Toetsvorm

Final exam

Literatuur

Articles and book chapters from a variety of authors.

Aanvullende informatie doelgroep

3rd year bachelor students in the minor Peace and Conflict Studies.

Toelichting Canvas

further information will be provided on canvas

The Personal is Political: life-world and biographies of the Othered

Vakcode	L_AABAALG068
Studiepunten	6.00
Periode	P2
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. Y. Saramifar
Examinator	dr. Y. Saramifar
Betrokken Docenten	dr. Y. Saramifar
Onderwijsvormen	Seminar

Doel vak

This course is influenced by, designed and taught according to The Anti-Racist Writing Workshop by Felicia Rose Chavez. Therefore, the learning outcomes are proposed in the form of a communal act and growth:

Upon the completion of this course, students:

- 1- have engaged in a supportive peer community with an interest in social justice and intersectional feminism.
- 2- have engaged with political undertones of one another's biography and enhance their appreciation of auto/biographical genre
- 3- have selected, thought through and written from a living archive of multicultural texts and objects that best inform their individual projects.
- 4- have curated their definitions of political, personal, gender and social justice according to their lived experiences
- 5- I have experimented with storytelling through intersectional feminism.
- 6- have learned why the category called human must be abandoned.

Inhoud vak

"The Personal is political", from the late 1970s women's movement to engage with auto/biographies, storytelling and personhood. The course brings them forth to discuss how sexualities, pleasures, bodies, racialization, illnesses and disabilities intersect historically and become multidimensions of gendered differences and natureculture divide? This course explores how these multidimensions shape everyday lives and biographies of politically engaged personalities, famous or unknown, by studying the genre of political biography, autobiography and life writing.

This course is designed for interactive dialogues between peers (including the teacher) as well as watching films, documentaries, and YouTube channels, followed by writing and research assignments. Students are offered three modes of assessments

- Group Writing (including media content such as Vlog),
- Individual Writing (Including media content such as Vlog),

The writing assessments shall be based on a biographical research project of students' choosing and the teacher will be more than happy to think along with students on possible topics. Students shall present their findings at the end of the course.

Aanvullende informatie onderwijsvormen

Classes (twice weekly)

Toetsvorm

Modes of assessment:

- 1- Class Participation (Social Media discussions, In-class dialogues, Attendance) 20%

- 2- Individual/Group presentations 10%
- 3- Conceptual/Theoretical Essay 20%
- 4- Final Paper 50%

Literatuur

Literature: Please refer to the course manual on Canvas

Aanvullende informatie doelgroep

Who may take the course: BA 3 Students History (Geschiedenis), History and International Studies, Humanities, Social Sciences, Philosophy, and Medical Studies; Exchange students with a background or anyone with interest in Humanities

Overige informatie

This course is part of the Minor Gender and Diversity.

Aanbevolen voorkennis

Academic skills course (ACVA) passed.

Theorizing Gender and Intersectionality

Vakcode	W_TGI
Studiepunten	6.00
Periode	P1+2+3
Vakniveau	200
Onderwijstaal	Engels
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. J.M. Halsema
Examinator	dr. J.M. Halsema
Betrokken Docenten	dr. J.M. Halsema
Onderwijsvormen	Lecture

Doel vak

Students of this course will acquire the abilities:

1. to recognize and interpret the main theories, concepts and ideas in gender studies and intersectionality theory;
2. to apply these theories, concepts and ideas to their major;
3. to critically question texts from the perspective of gender, race, and sexuality;
4. to perceive a problem from different disciplinary perspectives;
5. to define and defend an argument and to communicate the research conclusions verbally and in writing to an educated audience of different disciplines.

Inhoud vak

This course introduces into the critical perspectives developed in gender studies and intersectionality theory. The key themes and debates that form the backbone of the minor Gender and Diversity will be introduced in the lectures: the sex/gender debate, social constructivism, sexual difference, performativity, the intersection of race and gender, and of gender and sexuality, the notion 'intersectionality'.

The aim of the course is to gain an intersectional and multidisciplinary perspective: in the course we will focus upon the interrelations and divergences between gender, race and sexuality and discuss these from the perspective of the various disciplines of the students.

The course does not only aim at introducing these debates theoretically, but at stimulating reflection upon their disciplines by the students.

Aanvullende informatie onderwijsvormen

The main part of the course takes place in September and October (period 1), in the form of lectures and seminars. In period 2 we will have a few meetings to discuss the setup of the final symposium. At the end of period 3 students organize a final Gender and Diversity symposium, that closes of the course and the minor. Part of the program of the symposium is the presentation of a poster in which they demonstrate to be able to analyze a subject/text/film/book in their own field from the angle of gender and intersectionality.

Toetsvorm

- Multidisciplinary group paper (group assignment, 40 % of your final grade) (assessment of learning objectives 2, 3, 4, 5) of 5000 words. Each student writes an individual chapter which is clearly marked. You will receive a grade for your chapter and for the paper as a whole. Your grade is the average of the grade for the paper as a whole and of the individual part.
- Written exam about the texts (Individual assignment: 50%) (assessment of learning objective 1). You need at least 5,5 to pass the course.
- Poster presentation at the final symposium (individual assignment: 10 %) (assessment of learning objective 2 and 5).

Literatuur

- Book "Gender Theory in Troubled Times," Kathleen Lennon & Rachel Alsop, Cambridge & Medford: Polity Press, 2020 (Purchase yourself)
- Texts of: Sara Ahmed, Anne Fausto-Sterling, Simone de Beauvoir, Kimberle Crenshaw, Judith Butler, bell hooks, Gloria Wekker, Raewyn Connell, and others.

Aanvullende informatie doelgroep

The course is part of the university minor Gender and Diversity.

Aanbevolen voorkennis

Required is a bachelor 2 level.

Thesis Econometrics and Data Science

Vakcode	E_EDS3_TEDS
Studiepunten	12.00
Periode	Ac. Year (sept)
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. E.J.J. Wijler MSc
Examinator	dr. E.J.J. Wijler MSc
Betrokken Docenten	
Onderwijsvormen	

Doel vak

The thesis is the final stage of the B.Sc. program in Econometrics and Operations Research, track Econometrics and Data Science, in which the student demonstrates her/his abilities to conduct academic research on a specific topic in the field of econometrics and data science. The goals are (1) to conduct academic research; and (2) to

record the results of this work in an academic paper. As part of goal (1) the student needs to formulate a research question, study the related literature, find an appropriate quantitative representation of the data or an econometric/statistical model, study the data/the model using the skills and techniques from econometrics/data science/statistics, and, finally, demonstrate which conclusions can be drawn from the analysis. As part of goal (2), the student needs to be able to write a thesis paper that describes clearly the research questions, the research design, the related literature, the used methods, the results, and the conclusions.

Inhoud vak

The thesis research is supervised by a member of the Department of Econometrics and Data Science. Usually, a topic is related to a paper published in a scientific journal. A list is published on the Canvas site of the thesis at the beginning of period 4. Students may apply for a topic of their interests by contacting one of the staff members.

The thesis will be graded by the thesis supervisor and by a co-reader. The co-reader is typically also a member of the EDS department, and is assigned by the supervisor. The following aspects are part of the assessment criteria and shall receive due consideration:

- Research question: formulate clearly the research problem (maybe with subproblems).
- Positioning in literature: review relevant studies.
- Research design: address the methodological issues, the data collection (if applicable) and the application of theory.
- Description and analysis of results: show understanding of the research question and present a readable derivation of the complex analysis.
- Conclusion and discussion: succeed putting the findings in a wide context.
- Poster and presentation: develop a clear and concise poster that highlights the key aspects and results of your thesis, and present this work in a professional and convincing manner (see details below).
- Editorial quality: compile a sound academic paper, preferably typeset in LATEX.
- Degree of independence: show your own initiative and do not always wait for input of your

Aanvullende informatie onderwijsvormen

Individual meetings with the supervisor.

Toetsvorm

Individual assessment based on two components:

1. A written thesis that will be assessed by the supervisor and a second reader
2. A poster (presentation) that will be assessed by the supervisor, second reader or an appointed alternative assessor

Vereiste voorkennis

The conditions allowing you to start the thesis process are that you successfully completed:

- at least 120 ects of courses from the BSc EDS (including minor);
- among which at least 2 out of 3 of the following courses Econometrics II, Multivariate Statistics, and Data Science Methods.

Literatuur

Academic articles relevant to the topic of the thesis.

Overige informatie

In case you wish to continue with a master program, it is important to check the deadlines for completing your bachelor study. For the SBE master programs (for instance MSc Econometrics) you need to apply your bachelor diploma at the latest on 31 July 2024. That gives the administration the time in August to check and approve your program and your course grades so that you can enrol a master program on 1 September 2024, and start registering for master courses via your Vunet. Hence, you need to have completed and received grades of all bachelor courses including the thesis before 31 July 2024. In case you wish to enrol a master program outside

SBE, you should inquire yourself what their requirements and deadlines are.

Toelichting Canvas

Canvas will be used to communicate useful information related to your thesis throughout the whole thesis writing process. Examples include lists with supervisors and topics, updates on supervisor availability, and the planning and recording of an information session.

Time Series and Dynamic Econometrics

Vakcode	E_MFAE_TSDE
Studiepunten	6.00
Periode	P1
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	drs. K. Moussa
Examinator	drs. K. Moussa
Betrokken Docenten	drs. K. Moussa
Onderwijsvormen	Study Group, Lecture, Computer lab

Doel vak

This course introduces students to time series analysis and dynamic econometric models.

Inhoud vak

This course focuses on the econometric analysis of data that contains a temporal component. To that end, the concept of a time series will be rigorously defined and the most important tools to analyse them are discussed. The students are introduced to well-known regression models for time-series data, including autoregressive moving average (ARMA) models, as well as autoregressive distributed lag (ADL) and error correction models (ECM). The course provides both theoretical and practical insights into parameter estimation for time series models and the use of these models for forecasting, testing for Granger causality, and performing policy analysis using impulse response functions. Finally, students become familiar with the fundamental problem of spurious regression in time series analysis. We therefore consider the theory and practice behind unit-root tests, cointegration tests, as well as error-correction representation theorems.

Aanvullende informatie onderwijsvormen

Lectures and practical classes. In the practical classes there will be room for asking questions about the homework and the assignment.

Toetsvorm

Final exam (written) and group assignments.

Literatuur

The relevant literature consists of the lecture slides and other material provided by the teacher.

Aanvullende informatie doelgroep

The course is part of the **technical track** of the SBE faculty minor "Applied Econometrics: A Big Data Experience for All". It is targeted at students who are currently enrolled in the Bachelor in Econometrics or a similar study program.

Aanbevolen voorkennis

This course assumes familiarity with the basics of probability calculus and mathematical statistics, which will be used heavily throughout the course. Students are strongly recommended to review this material before the start of the course; a concise review of probability and statistics can be found in [these notes](#). Some familiarity with limits (analysis) and matrices (linear algebra) is also assumed, hence courses in Analysis and Linear Algebra are also recommended background knowledge. Basic experience with programming is recommended, as the group assignment is made in a programming language of choice (Python / R / Matlab / Ox / other). A brief introduction to

Python can be found [here](#).

Because this course is part of the technical track of the minor Applied Econometrics, it assumes background knowledge at the level of students who completed the first two years of a Bachelor in Econometrics.

Toegepaste Inspanningsfysiologie

Vakcode	B_TIF
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit der Gedrags- en Bewegingswetenschappen
Vakcoördinator	D. Houtkamp MSc
Examinator	D. Houtkamp MSc
Betrokken Docenten	prof. dr. H.A.M. Daanen, dr. R.C.I. Wust, D. Houtkamp MSc, dr. R.P. Goulding
Onderwijsvormen	Practicum, Hoorcollege

Doel vak

Het uitbreiden van inspanningsfysiologische kennis en het toepassen daarvan op vraagstukken binnen de sport en gezondheid.

Inhoud vak

De verhoogde energiebehoefte van het musculaire systeem als gevolg van fysieke activiteit vraagt van verschillende fysiologische mechanismen een zodanige actie dat homeostase van het interne milieu behouden blijft. Het cardiovasculaire en respiratoire systeem spelen hierin een cruciale rol. De mogelijkheid van deze systemen om in te spelen op de belasting bepaalt in hoge mate de inspanningstolerantie en/of gezondheid van het individu. Er zijn vele factoren die het functioneren van het cardiovasculaire en respiratoire systeem beïnvloeden. Te denken valt aan trainingstoestand, voeding, klimaat, hypo- en hyperbare omstandigheden en sportspecifieke omstandigheden. Daarnaast hebben chronische aandoeningen aan de verschillende systemen grote invloed op de inspanningstolerantie. Ten grondslag aan het functioneren van het musculaire-, cardiovasculaire- en respiratoire systeem liggen de moleculair biologische processen die aanmaak en afbraak van eiwitten reguleren. Inzicht in deze processen maakt duidelijk hoe training en adaptatie aan veranderende omstandigheden werkt. Ook klimatologische omstandigheden hebben invloed op het functioneren van de mens.

In deze cursus wordt aandacht besteed aan factoren die de inspanningstolerantie bepalen, de moleculair biologische processen die trainingseffecten reguleren en de thermofysiologie. De aandacht zal liggen op hoe deze kennis toegepast kan worden binnen sport en

gezondheid. De cursus bevat practica waarin de student vertrouwd wordt gemaakt met de interpretatie van integratieve cardiopulmonaire

inspanningstesten en de thermofysiologie.

Aanvullende informatie onderwijsvormen

De stof wordt aangeboden in de vorm van hoorcolleges in combinatie met practica. Totaal 168 uur, waarvan 42 uur hoorcollege, 12 uur practicum, 111 uur zelfstudie en 3 uur tentamen.

Toetsvorm

Het tentamen is een schriftelijke tentamen met open en gesloten vragen. De practica zijn verplicht.

Vereiste voorkennis

De kennis van de volgende vakken wordt als bekend verondersteld:

- Inleiding inspanningsfysiologie
- Training en prestatie

Literatuur

McArdle, Katch and Katch. Exercise Physiology: Nutrition, energy and human performance. Williams & Wilkins, ISBN 1-6083-1859-1, 8th or

9th edition, 2014/2022.

Literatuur aangeboden via Canvas.

Afwijkende intekenprocedure

De indeling van practica vindt plaats via Canvas.

Aanbevolen voorkennis

De student moet beschikken over basiskennis van de inspanningsfysiologie (energiesystemen, cardio-pulmonair systeem, training).

Urban Economics and Real Estate

Vakcode	E_MFRE_UERE
Studiepunten	6.00
Periode	P2
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	prof. dr. J.N. van Ommeren
Examinator	prof. dr. J.N. van Ommeren
Betrokken Docenten	prof. dr. H.R.A. Koster, prof. dr. J.N. van Ommeren
Onderwijsvormen	Study Group, Lecture

Doel vak

This course in Urban and Real Estate Economics addresses the relationship between urban land, real estate and economic development. It links economic theory to urban and real estate issues, and it links real estate to a broader context of urban growth and economic development. Insights are developed through studying theoretical models and by considering practical examples of the issues at hand.

The following topics are likely covered: (1) Why cities exist, (2) Urban spatial structure, (3) Land use and urban planning, (4) Housing, (5) Housing policies, (6) Local public goods and services, (7) Green cities, (8) Crime, (9) Cities in the Global South.

With respect to each topic the student should be able to define and describe it and to understand the economic theory as well as the empirical (econometric) analysis of the topic.

Inhoud vak

Because of technological change (rail, road, air, internet) the cost of connecting across space have declined sharply, which should have made it less attractive for people to cluster together in cities. Yet by many measures, cities are thriving all over the world. Most economic activities such as production, consumption and innovation take place in urban areas, despite the relatively high location costs.

Why is this the case? Why are some cities thriving, while others face serious decline? Why are real estate prices more or less stagnant in some cities or neighborhoods, while they rise sharply in others? Why do firms and households prefer one location of the other? When thinking about location behavior of firms and households, we touch upon various topics that have a substantial impact on real estate markets. For example, the economic backgrounds and consequences of suburbanization,

the rise of urban 'subcentres', and the rise of so-called 'network cities', as witnessed worldwide (and in The Netherlands alike).

At the aggregate level, location choices by firms and households translate into (changes in) land use and real estate development in modern cities. In this course the student should learn, both from a theoretical and empirical perspective to analyze land prices as a function of, inter-alia, population and real estate characteristics, location and transport costs. In addition, we identify the (im)possibilities of influencing the observed trends through urban and real estate policies. What is the impact of imposing or relaxing urban planning regulation on real estate development? Finally, we address some typically urban phenomena in relation to real estate markets: urban environment and green buildings, crime, and the provision of local public goods and services such as schooling and parks.

Aanvullende informatie onderwijsvormen

There are three meetings per week. During the first part of each meeting the lecturer introduces a certain topic, based on the required reading material. The second part of each meeting is a tutorial, where students work on assignments under guidance of the lecturer. Students are expected to have read the material in advance, as the lectures cover key elements only. The various assignments include a refresher of essential micro economic theory, development of an theoretical urban model, an empirical (econometric) analysis using statistical software and writing an essay.

Toetsvorm

Five assignments (40%) and a written exam (60%). The minimum grade for the written exam should be at least 5.0 to pass the course. The overall grade should be at least a 5.5 to pass.

Vereiste voorkennis

Introductory level of microeconomics.

Literatuur

- Jan K. Brueckner (2011), Lectures on Urban Economics, MIT Press.
- Selected academic papers (see Canvas for details).

Aanvullende informatie doelgroep

Second or third-year bachelor students who want to get a solid introduction into the economics of cities and real estate, economic geography or spatial economics.

Aanbevolen voorkennis

Basic knowledge of econometrics (regression analysis) is highly recommended.

Urban Studies

Vakcode	S_UBS
Studiepunten	6.00
Periode	P2+3
Vakniveau	300
Onderwijstaal	Engels
Faculteit	Faculteit der Sociale Wetenschappen
Vakcoördinator	dr. R.A. Gigengack
Examinator	dr. R.A. Gigengack
Betrokken Docenten	dr. A. Smienk, dr. R.A. Gigengack
Onderwijsvormen	Study Group, Lecture

Doel vak

Knowledge and understanding:

1. Students gain knowledge and understanding of the most important research themes, concepts, and debates within the field of urban anthropology.
2. Students can recognize how urban development, inequality and insecurity are spatialized, materialized, reproduced, challenged, and represented in cities of the Global North and the Global South.

Application:

3. Students can apply key concepts from urban anthropology to an urban case study in Amsterdam or another city in the Netherlands.
4. Students hone their qualitative research skills and become attuned to the ethnographic sensitivities that urban settings require.

Making judgements:

5. Students develop a critical attitude towards social, spatial, and material urban dynamics and can formulate their own questions on urban

processes.

6. Students are better able to reflect on their own role as researchers operating in an urban setting.

Communication:

7. Students can report on their respective research projects in verbal and written form.

Learning skills:

8. Students have learned to work in small research teams to carry out a short-term ethnographic research project.

Inhoud vak

Cities are not just static locations; they are also thought-provoking processes. Across the Global North and South, cities shape – and are shaped by – the way people, nature, resources, infrastructures, and ideas flow and settle. Drawing on interdisciplinary and anthropological debates on 'the urban', this course delves into the social, spatial, material, and cultural processes that drive and result from patterns of urban development, inequality, and insecurity. These themes are explored through case studies that raise questions on how and why resources and risk are distributed unequally across and within different urban environments. Additionally, we also engage the everyday modes of resistance and negotiation that emerge in response to social and spatial forms of inequality. During the course, students will have the opportunity to conduct their own urban research projects in relation to themes such as housing, gentrification, sustainability, and labour.

Aanvullende informatie onderwijsvormen

Lectures and tutorials

Toetsvorm

Written exam and research project in teams.

Literatuur

To be announced on Canvas.

Aanvullende informatie doelgroep

2nd year students in Cultural Anthropology and Development Sociology;

Students in the Minor Anthropology or the Minor Development and Global Challenges; also open as an elective course for Exchange Students.

Overige informatie

This course fits into several programmes. It is part of the Bachelor Cultural Anthropology and Development Sociology; it is the closing of the theme block “Development”, but in time follows directly on two courses from the theme block “World Making” (in particular Identity, Diversity and Inclusion, and Nation and Migration). The themes of these courses –politics, inequality, development, globalization, diversity, identity, migration– all return in Urban Studies. In the same vein, Urban Studies is the closing of the minor Development and Global Challenges and the minor Anthropology. While Urban Studies is integrated in all these programmes, the course can also be taken as an elective course of its own.

Note that students are expected to attend three preparatory meetings in November-December (the so-called studielint).

Aanbevolen voorkennis

There are no requirements, but ideally students have completed the courses Political and Economic Anthropology, Development and Globalization, and/or Identity, Diversity and Inclusion.

Value Based Marketing

Vakcode	E_EBE2_VBM
Studiepunten	6.00
Periode	P5
Vakniveau	300
Onderwijstaal	Engels
Faculteit	School of Business and Economics
Vakcoördinator	dr. N. Schauerte
Examinator	dr. N. Schauerte
Betrokken Docenten	dr. N. Schauerte
Onderwijsvormen	Lecture, Seminar, Instruction course

Doel vak

Does marketing have a marketing problem? The influence of marketing in organizations and boardrooms seems to be fading. Marketeers and marketing researchers feel the need to show that marketing is not just spending dollars on advertising and CRM technology and social media departments without knowing whether these investments pay off.

This course aims to provide a comprehensive view on what it means to create value through marketing and how marketing's value to customers, firms, shareholders, and other stakeholders is measured. Knowledge of marketing as dealt with in the subjects Marketing I and II is further deepened and related to other subjects (including Finance). The main premise is that marketing, although often associated with customer value only, has recently moved beyond the confines of customer orientation and towards a more holistic stakeholder orientation. It is this stakeholder view we work towards, touching upon different forms of creating value for these external entities as well as for the organization itself.

You will be actively encouraged to apply scientific knowledge in practice and to evaluate the practice on the basis of scientific insights (Bridging Theory and Practice - Knowledge). To this end, you will learn to apply quantitative instruments that provide insight into the financial effects of choices in the process of value creation (Bridging Theory and Practice - Application) and to read academic papers comprehensively and derive their practical implications (Academic and Research Skills). You will learn how organizations interpret value creation processes and how they relate to the social context (Broadening your Horizon). Furthermore, you will work together as a team and present your insights regularly to your peers, stimulating discussions and feedback (Professional Social Skills).

Inhoud vak

How can marketing be valuable? This is the main question guiding our perspective on value-based marketing. In this respect, we go beyond a narrow definition of the term value-based marketing, which often focuses on questions surrounding the marketing-finance interface (“How does marketing create shareholder value?”, “How can marketing activities' financial value be made explicit?”).

By contrast, we take a holistic view on the term “value-based”, linking it to customers (consumers, companies), shareholders, partners, society – in short, numerous stakeholders that might be affected by marketing’s value creation and appropriation process. This so-called stakeholder orientation on marketing is relatively new and is trying to understand marketing’s impact and responsibility beyond its traditional scope.

Unfortunately, marketing is all too often misunderstood and used to achieve results in the short term or to pursue self-interests. In this course, we will see that this one-sided view on marketing is narrow-minded and often counterproductive. Marketing can be especially valuable for all parties involved if they understand how long-term value can be created (value creation) FOR the customers and appropriated (value appropriation) from the customers to serve different stakeholders. To this end, we study relevant theories and concepts as well as the implementation of value-based marketing in practice.

You will study relevant theories and concepts and get acquainted with the implementation of value-based marketing in practice. You will learn

the practice of VBM by

- discussing the theory and academic input in the lectures,
- solving cases that transfer that theoretical knowledge into concrete application, and
- applying the theory yourself in the tutorials in the form of group assignments.

Aanvullende informatie onderwijsvormen

Interactive (online) lectures.
Case discussions.
Tutorials.

Toetsvorm

- Exam - Individual assessment
- Group assignments

Literatuur

Academic articles, case studies.

Aanvullende informatie doelgroep

.

Aanbevolen voorkennis

Marketing I and II.

Voortgezet Boekhouden

Vakcode	EPG_A_VBH
Studiepunten	6.00
Periode	P1+2, P4+5
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	School of Business and Economics
Vakcoördinator	drs. J.G.I. van den Belt RA
Examinator	
Betrokken Docenten	E.J. Pieters RA, J.J. van Zutphen RA, A. El Hachemy MSc RA, G.B. Steltman
Onderwijsvormen	Hoorcollege, Werkgroep

Doel vak

Studenten met basiskennis boekhouden, financial accounting en management accounting meer vaardigheid

aanleren om complexere situaties/vraagstukken op het gebied van financial accounting en management accounting te vertalen naar hun administratieve verwerking.

Plaats in curriculum: schakeltraject instroom PGO (deeltijdopleiding): schakelvak voor studenten met HBO-vooropleidingen anders dan F&C (BE) en Accountancy, en voor WO-studenten met onvoldoende (voorgezet) boekhouden in de vooropleiding. Dit ter beoordeling van de examencommissie van de PGO-accountancy.

Bereidt met name voor op Advanced Financial Reporting/Externe Verslaggeving (waar studenten geacht worden bij complexe onderwerpen de souplesse te hebben dit te vertalen naar journaalposten, alsmede zich globaal moeten kunnen voorstellen welke administratieve problemen zich kunnen voordoen om aan bepaalde verslaggevingseisen te voldoen). Het vak is veronderstelde basiskennis voor BIV en Audit & Assurance.

Inhoud vak

Onderwerpen die kunnen worden getentamineerd zijn onder meer boekhoudbegrippen, budgettering en verschillenanalyse, deelnemingen, consolidatie, intercompany profit, fiscale waardering en latenties, onderhanden projecten, cash flow statement en de jaarafsluiting.

Aanvullende informatie onderwijsvormen

In deze cursus Voortgezet Boekhouden worden hoor- en werkcolleges aangeboden.

De vaardigheid voor boekhouden wordt enkel bereikt door voldoende oefening. Daarom wordt een groot deel van de tijd besteed aan het toepassen van de theorie op een casussituatie.

Wekelijks dient als voorbereiding voor het college een casus te worden gemaakt en ingeleverd (de zogenaamde 'thuiswerkcase') die tijdens het werkcollege wordt behandeld. Aan de hand van de behandeling en een schema van uitwerking kan de student zijn/haar uitwerking zelf beoordelen.

Daarnaast wordt tijdens het werkcollege een 2e casus uitgewerkt en behandeld (de zogenaamde 'oefencase').

Toetsvorm

De cursus wordt afgesloten met toetsing door middel van een schriftelijk tentamen. Voor slagen dient minimaal een 5,5 te worden gescoord.

Deelname aan de toets is mogelijk, indien aan de volgende voorwaarden is voldaan:

- student is bij minimaal 70% van de hoorcolleges en 70% van de werkcolleges aanwezig geweest;
- student heeft voor minimaal 70% van de thuiswerkcases een uitwerking gemaakt en op Canvas geüpload. Door de docent wordt beoordeeld of de uitwerking voldoende is om te kunnen worden meegerekend als 'serieus ingeleverd'.

Vereiste voorkennis

Basiskennis van het vak boekhouden wordt als bekend verondersteld. Dit is het niveau van basiskennis financial accounting / management accounting uit eerste twee jaren van de bachelor-opleiding.

Voor eventuele zelfstudie wordt literatuur aangeraden, zie Canvas.

Literatuur

- Boekhouden boekstaafd 2 (Wim Broerse, Wim Schauten, Derk Jan Heslinga)
- Boekhouden boekstaafd 3 (Y.R.P. Voort van de, D.J.J. Heslinga, T.A. Marra)

Wereldliteratuur 1

Vakcode	L_AABAALG091
Studiepunten	3.00
Periode	P1
Vakniveau	200
Onderwijstaal	Nederlands
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. J. Grave
Examinator	dr. J. Grave
Betrokken Docenten	dr. E.M. van Opstall, dr. J. Grave

Doel vak

Kennismaking met enkele belangrijke periodes en stromingen binnen de Europese literatuur vanaf de Oudheid tot en met de negentiende eeuw aan de hand van klassiek geworden meesterwerken. Aan het eind van de cursus kun je:

- canoniseringsprocessen beschrijven;
- aan de hand van klassiek geworden literaire werken enkele belangrijke periodes en stromingen binnen de (Europese) literatuur vanaf de Oudheid tot heden noemen;
- de inhoud van klassiek geworden literaire werken samenvatten;
- de receptie van klassiek geworden literaire werken beschrijven;

Inhoud vak

Elke week, dat wil zeggen vóór elk college, leest de student een 'literair meesterwerk' met de bijbehorende secundaire literatuur. Bij de bespreking van elke tekst gaan we in op de redenen waarom deze als een meesterwerk wordt beschouwd: status in het literaire veld, literaire prijzen, aandacht in wetenschappelijke studies en receptie. Soms zal de docent naast het te lezen meesterwerk ook enkele fragmenten uit andere canonieke teksten uit de betreffende periode/stroming bespreken.

Aanvullende informatie onderwijsvormen

Twee colleges per week: een hoor- en een werkcollege of twee werkcolleges.

Toetsvorm

Tentamen na periode 1 (minimaal 5,5) en tussentijdse schriftelijke opdrachten (moeten voldoende zijn). De opdrachten dienen te worden ingeleverd voor aanvang van het betreffende college. De opdrachten tellen voor 10% mee van het eindcijfer. Verder: actieve participatie, blijkend uit inbreng tijdens de discussie over de te lezen teksten.

Literatuur

Na een algemene inleiding over theoretische kwesties als periodisering, classificering en canonvorming worden vijf werken besproken. Bij het publiceren van de studiegids waren nog niet alle keuzes van de docenten voor een meesterwerk bekend. De definitieve lijst zal zo snel mogelijk op Canvas bekend worden gemaakt, maar in elk geval worden de volgende werken gelezen: Thomas More (Utopia), Ivan Toergenjev (Eerste liefde) en Gustave Flaubert (Madame Bovary – in de vertaling van Hans van Pinxteren). De teksten moeten in Nederlandse vertaling gelezen worden. De te lezen secundaire literatuur wordt via Canvas bekendgemaakt.

Aanvullende informatie doelgroep

De minor staat open voor alle studenten die hun eerste studiejaar hebben afgerond. Dit vak is ook los te volgen.

Deze module is een verplicht onderdeel van de minoren Nederlands 'Aan de slag met literatuur' en 'De schrijfacademie'. Een vervolg op dit college is 'Wereldliteratuur 2' (periode 2+3, 6 EC). Daarnaast zijn de onderdelen 'De schrijversparade' (periode 1, 3 EC) en 'Creatief schrijven' (periode 2, 6 EC) verplichte onderdelen binnen deze minoren. De resterende vakken van deze minoren verschillen van elkaar. Zie verder de studiegids.

Overige informatie

Er is verplichte aanwezigheid (minimaal 80% aanwezigheid).

Dit onderdeel vormt inhoudelijk één geheel met Wereldliteratuur 2, maar kan zelfstandig gevolgd worden. In dit eerste deel komt de literatuur tot en met de negentiende eeuw aan bod; in het tweede deel staan de twintigste en de eenentwintigste eeuw centraal.

Wereldliteratuur 2

Vakcode	L_AABAALG094
Studiepunten	6.00

Periode	P2+3
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	Faculteit der Geesteswetenschappen
Vakcoördinator	dr. J. Grave
Examinator	dr. J. Grave
Betrokken Docenten	dr. J. Grave
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

Kennismaking met de belangrijkste periodes en stromingen binnen de (grotendeels) Europese literatuur van de twintigste en de eenentwintigste eeuw aan de hand van klassiek geworden meesterwerken. Aan het eind van de cursus kun je:

- canoniseringsprocessen beschrijven;
- aan de hand van klassiek geworden literaire werken enkele belangrijke periodes en stromingen binnen de (Europese) literatuur vanaf de twintigste eeuw tot heden noemen;
- de inhoud van klassiek geworden literaire werken samenvatten;
- de receptie van klassiek geworden literaire werken beschrijven.

Inhoud vak

Elke week, dat wil zeggen vóór elk college, lees je een literair werk uit de wereldliteratuur met bijbehorende secundaire literatuur. Bij de bespreking van elke tekst gaan we in op de redenen waarom deze als een meesterwerk wordt beschouwd: status in het literaire veld, literaire prijzen, aandacht in wetenschappelijke studies, receptie. Soms zal de docent naast het te lezen meesterwerk ook enkele fragmenten uit andere (canonieke) teksten uit de betreffende periode/stroming bespreken.

Aanvullende informatie onderwijsvormen

Twee colleges per week (hoor- en werkcollege of twee werkcolleges), met opdrachten en discussie, eigen presentatie van een werk uit de wereldliteratuur in periode 3. Het rooster voor deze presentaties (twee colleges per week) wordt op Canvas bekendgemaakt.

Toetsvorm

Schriftelijk tentamen aan het eind van periode 2 (70% van het eindcijfer). Voor elk college levert de student de leesopdrachten in (ze tellen voor 10% mee). Mondelinge presentatie in periode 3 (20% van het eindcijfer). Voor het schriftelijk tentamen en de mondelinge presentatie moet minimaal een 5,5 worden behaald.

Vereiste voorkennis

Het vak Wereldliteratuur 2 is verplicht voor studenten die de hele minor 'Aan de slag met literatuur' of 'De schrijfacademie' volgen.

Literatuur

In dit college worden zes teksten besproken (en mogelijk nog fragmenten van andere teksten). Bij het publiceren van de studiegids waren nog niet alle keuzes van de docenten voor de tekst bekend. De definitieve lijst zal zo snel mogelijk op Canvas bekend worden gemaakt, maar in elk geval komen de volgende werken aan bod: Carry van Bruggen (*Eva*), Frans Kellendonk (*Mystiek lichaam*), Maria Dermoût (*De tienduizend dingen*) en W.G. Sebald (*Austerlitz*).

De teksten moeten in het Nederlands gelezen worden. De te lezen secundaire literatuur wordt via Canvas bekendgemaakt.

Aanvullende informatie doelgroep

De minor staat open voor alle studenten die hun eerste studiejaar hebben afgerond. Dit vak is ook los te volgen.

Overige informatie

Deze module is een verplicht onderdeel van de minoren 'De schrijfacademie' en 'Aan de slag met literatuur'. Het college is een vervolg op Wereldliteratuur 1.

Er is verplichte aanwezigheid (minimaal 80%). Dit onderdeel vormt inhoudelijk één geheel met Wereldliteratuur 1, maar kan zelfstandig gevolgd worden. In het eerste deel komt de literatuur van de Klassieke Oudheid tot en met de negentiende eeuw aan bod; in dit tweede deel staan de twintigste en de eenentwintigste eeuw centraal.

Aanbevolen voorkennis

Het vak Wereldliteratuur 2 is verplicht voor studenten die de hele minor 'Aan de slag met literatuur' of 'De schrijfacademie' volgen. Het vak Wereldliteratuur 1 strekt tot aanbeveling voor studenten die deze module los willen volgen, maar is niet verplicht voor deze studenten.

Work Experience @Accountancy

Vakcode	EPG_A_WEA
Studiepunten	12.00
Periode	P1+2
Vakniveau	300
Onderwijstaal	Nederlands
Faculteit	School of Business and Economics
Vakcoördinator	dr. D.R. Boterenbrood RA
Examinator	drs. J.L. Millenaar
Betrokken Docenten	drs. C. de Kater MSc RA, drs. J.L. Millenaar, dr. D.R. Boterenbrood RA, drs. J.L. van Gestel RA
Onderwijsvormen	Hoorcollege, Werkcollege

Doel vak

Het doel van Work Experience @Accountancy is om jou als student een inkijk te geven in de dynamische wereld van een registeraccountant. Hierbij gaat het naast vaktechnische aspecten ook over de menselijke factor in een accountantsorganisatie. De maatschappij verwacht steeds meer van de accountant. Het menselijk gedrag en de cultuur binnen een organisatie zijn belangrijke drivers van kwaliteit binnen het accountancy-beroep. Zelfs in deze tijd van digitalisering, blijft menselijk gedrag cruciaal bij het interpreteren van uitkomsten. Hoe gedragen mensen in een accountantsorganisaties zich, en waarom? Daarnaast kent het landschap van een accountantsorganisatie vele stakeholders (klant, medewerkers, toezichthouder, politiek, etc.) met ieder een bepaald doel. Deze cursus geeft jou een inzicht in het landschap waarbinnen een accountant zich beweegt en het gedrag dat hij/zij in de praktijk tegenkomt. Bestaande theorieën over (sociaal) gedrag in organisaties worden behandeld en vergeleken met de praktijk. Daarna kun je door een 8-weekse werkervaring bij een accountantsorganisatie ook de praktische uitvoering op de werkvloer ervaren en hierop reflecteren.

Inhoud vak

We kijken bij de cursus Work Experience @Accountancy naar gedrag binnen de accountancy op diverse niveaus.

- Ten eerste de opstelling en het functioneren van een accountantsorganisatie als geheel en de interactie met diverse stakeholders.
- Ten tweede de gedragingen van een controle-team op een specifieke opdracht waarbij aandacht is voor de interactie en ongeschreven regels binnen en tussen groepen in organisaties. Hier komen thema's aan de orde zoals groepsdynamica, macht, fraude en conflicten.
- En ten derde, het gedrag op individueel niveau: de reactie op dit alles van de individuele accountant waarbij een professioneel kritische instelling centraal staat.

Na het volgen van de hoor- en werkcolleges zal werkervaring worden opgedaan bij een accountantsorganisatie. Hierbij wordt inzicht verkregen in de dagelijkse praktijk van een accountant, de dynamiek van een opdracht en de problemen die dit met zich mee kan brengen.

Aanvullende informatie onderwijsvormen

Dit vak bestaat uit hoor- en werkcolleges en een 10-weekse werkervaring (3 dagen per week) bij een accountantsorganisatie. Aanwezigheid is verplicht en de beoordeling van de praktijkbegeleiders wordt meegewogen in de eindbeoordeling.

Toetsvorm

Het vak Work Experience @Accountancy wordt getoetst door een tussentijdse toets (40%), presentatie, reflectieverslag (40%), slotverdediging (20%) en een stage.

Voor meer informatie: zie de course manual.

Literatuur

Custom Edition van het boek Kinicki, A. and Fugate, M. 2021. Organizational Behavior: A Practical Problem-Solving Approach, McGrawHill, Third Edition. Dit boek is een speciaal voor de OB op de VU samengesteld met geselecteerde hoofdstukken 1, 2, 5, 6 8, 10, 12 & 13 uit het originele boek van Kinicki. Ook een e-book versie van het boek van Kinicki, A. and Fugate, M is bij McGrawHill verkrijgbaar: <https://www.mheducation.co.uk/ob-accounting-9781307252866-emea>

Voor verdere verdieping kunnen artikelen worden aangereikt door de docenten van het vak via Canvas.