

Wintersemester 24/25

Module Guide

for the study of

Economics (sole subject)

Bachelor of Science

valid in connection with the examination regulations BPO 2023

Modulhandbuch des Bachelorstudiengangs Wirtschaftswissenschaft (Vollfach) (PO 2023)

Generated: October 17, 2024

Studienverlaufsplan Wirtschaftswissenschaft (Vollfach)

Der Studienverlaufsplan stellt eine Empfehlung für den Ablauf des Studiums dar. Module können von den Studierenden in einer anderen Reihenfolge besucht werden.

Betriebswirtschaftslehre, 24 CP		Volkswirtschaftslehre, 30 CP			Methoden, 36 CP		Profilbereich, 54 CP			General Studies-Bereich, 24 CP		Bachelorarbeit, 12 CP	Σ 180 Semesterverlauf	
Pflichtmodule, 18 CP	Wahlpflichtmodule, 6 CP	Pflichtmodule			Pflichtmodule		Pflichtmodule, 42 CP		Freie Wahl, 12 CP	Pflichtmodule, 12 CP	Wahlbereich, 12 CP			
37-110, Rechnungswesen und Abschluss, 6 CP					37-510, Mathematik, 6 CP	37-520, Datenanalyse, 6 CP				37-710, WiWi Onboarding Challenge, 6 CP	gemäß § 2 Absatz 1 BPO, 6 CP		1. Sem. 30 CP	
37-120, Marketing, 6 CP	37-130, Finanzierung und Investition, 6 CP	35-310, Mikroökonomie, 6 CP			37-530, Statistik, 6 CP					37-720, Recht, 6 CP			2. Sem. 30 CP	
		35-320, Makroökonomie, 6 CP	35-330, Wirtschafts- und Finanzpolitik, 6 CP	35-340, Mikroökonomie für Fortgeschrittene, 6 CP	35-510, Angewandte Programmierung in R, 6 CP	35-520, Einführung in die Ökonometrie, 6 CP							3. Sem. 30 CP	
		WP-Modul gemäß Anlage 2.2.2 BPO, 6 CP	35-350, Makroökonomie für Fortgeschrittene, 6 CP			35-530, Ökonometrie für Fortgeschrittene, 6 CP		35-410, WiWi Profilmodul 1, 6 CP	35-420, WiWi Profilmodul 2, 6 CP				4. Sem. 30 CP	
								35-430, WiWi Profilmodul 3, 6 CP	35-440, WiWi Profilmodul 4, 6 CP	35-460, WiWi Projektmodul, 12 CP			gemäß § 2 Absatz 1 BPO, 6 CP	5. Sem. 30 CP
								35-450, WiWi Profilmodul 5, 6 CP		gemäß § 2 Absatz 2 Buchstabe d BPO, 12 CP			35-010, Modul Bachelorarbeit, 12 CP	6. Sem. 30 CP

Sem.: Semester, CP: Credit Points

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Module 07-WW-BA-35-010: Modul Bachelorarbeit

Module Bachelor Thesis

Assignment to areas of study:

- Bachelor Thesis

Content-related prior knowledge or skills:

none

Learning content:

Students conduct an independent research project and write an academic thesis. Topics are to be selected according to prior agreements with supervisors.

Learning outcomes / competencies / targeted competencies:

Students prove that they are capable of working on a self-chosen research topic in an independent way. They learn to conduct a limited research project, beginning with the choice and discussion of topics and methods, the development of a structure, a sound literature recherche, the formulation of concrete research questions and hypotheses, the testing of hypotheses or creative extension of theoretical concepts, up to the completion of the scientific thesis according to formal academic standards.

Calculation of student workload:

360 h SWS / presence time / working hours

Are there optional courses in the modules?

no

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

each semester

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

12 / 360 hours

Module examinations**Module examination:** Module Bachelor Thesis**Type of examination:** module exam**Form of examination:**

Bachelor Thesis

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch / English

Module courses**Course:** Modul Bachelorarbeit

Frequency: each semester	Language(s) of instruction: Deutsch / English
Contact hours: 0,00	University teacher:
Teaching method(s):	Associated module examination:
Associated module courses Begleitseminar Verhaltensorientierte WiWi (Seminar)	

Module 07-WW-BA-37-110: Rechnungswesen und Abschluss**Accounting and Accounts****Assignment to areas of study:**

- Business Studies

Content-related prior knowledge or skills:

None

Participation in the Preliminary Accounting & Financial Statements course is recommended.

Learning content:

- Introduction
- Double entry book-keeping
- General IFRS valuation rules
- Fundamental reporting problems (immaterial and material assets, current assets such as debtors and stocks, liabilities)
- Gains, profits and losses
- Statement of changes in equity
- Cash flow statement

Learning outcomes / competencies / targeted competencies:

Students will know the most important reporting instruments, the norms governing the reporting process and the pertaining definitions. Students can apply their knowledge to practical cases, can prepare basic reporting instruments and can evaluate them. Students are further familiar with the most important definitions of IFRS accounting. They can reproduce the pertaining accounting rules, can apply them to real-world cases and are able to draw up reporting instruments. The most familiar problems of financial reports are known and can be identified for single events.

Calculation of student workload:

56 h SWS / presence time / working hours

32 h Exam preparation

32 h Self-study

32 h Preparation / follow-up work

28 h Tutorial

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Jochen Zimmermann

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

SoSe 24 / -

Credit points / Workload:

6 / 180 hours

Module examinations**Module examination:** Accounting and Accounts**Type of examination:** module exam

Form of examination: Written examination	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Rechnungswesen und Abschluss	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Prof. Dr. Jochen Zimmermann
Literature: Zimmermann/Werner/Hitz: Buchführung und Jahresabschluss nach IFRS, 2. Aufl.	
Teaching method(s): Lecture Tutorial	Associated module examination: Modulprüfung Rechnungswesen und Abschluss
Associated module courses	
Rechnungswesen und Abschluss ()	
Rechnungswesen und Abschluss (Tutorial)	
Rechnungswesen und Abschluss (Lecture)	
Vorkurs Rechnungswesen und Abschluss (Lecture)	

Module 07-WW-BA-37-120: Marketing Marketing

Assignment to areas of study:

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

- Marketing principles
- Environment and market of the enterprise
- Marketing decision and marketing conception
- Market segmentation
- Product and marketing mix
- Pricing
- Promotion
- Distribution
- Strategic marketing
- Branding
- Marketing coordination

Learning outcomes / competencies / targeted competencies:

Students have a basic knowledge of marketing principles and are able to apply it. They gain knowledge about conceptual basics, frameworks, strategic decisions, marketing instruments and coordination. This methodical knowledge provides students with the ability to analyze and solve decision problems in the context of marketing.

Calculation of student workload:

46 h Preparation / follow-up work

46 h Self-study

32 h Exam preparation

56 h SWS / presence time / working hours

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Kristina Klein

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Marketing

Type of examination: module exam

Form of examination: Written examination	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Marketing	
Frequency: summer semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Prof. Dr. Kristina Klein
<p>Literature:</p> <ul style="list-style-type: none"> • Meffert, Heribert; 2 0 T U Burmann, ChristophU20T; 2 0 T Kirchgeorg, Manfred20T : Marketing – Grundlagen marktorientierter Unternehmensführung, 11. Aufl., Gabler-Verlag, Wiesbaden 2011. • Meffert, Heribert; 2 0 T Burmann, Christoph20T; 2 0 T Kirchgeorg, Manfred20T: Marketing Arbeitsbuch – Aufgaben – Fallstudien – Lösungen, 10. Aufl., Gabler-Verlag, Wiesbaden 2009. <p>Alternativen zur Pflichtlektüre:</p> <ul style="list-style-type: none"> • Homburg, C./Krohmer, H.: Marketingmanagement, 3. Aufl., Wiesbaden 2009. • Kotler, P., et al.: Marketing-Management. Strategien für wertschaffendes Handeln, 12. Aktualisierte Aufl., München 2010 	
Teaching method(s): Lecture Tutorial	Associated module examination:

Module 07-WW-BA-37-130: Finanzierung und Investition

Finance and Investment

Assignment to areas of study:

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

This seminar deals with the basic principles of corporate finance. First, it gives an introduction in corporations, their governance and the role they play on capital markets. Core topics of the seminar are time, money, arbitrage and interest rates. Students learn how to analyze investment projects and how to finance them. Different discounted cash flow methods are introduced. Finally, we will discuss principles of equity and debt financing, financial instruments, and principles of financial management. The basic outline of the lecture is as follows:

- The corporation
- Introduction to financial statement analysis
- Financial decision making and the law of one price
- The time value of money
- Interest rates
- Valuing bonds
- Investment decision rules
- Fundamentals of capital budgeting
- Valuing stocks

Learning outcomes / competencies / targeted competencies:

Students learn basic principles of corporate finance and can apply their knowledge to elementary problems.

Calculation of student workload:

63 h Preparation / follow-up work

63 h Self-study

26 h Exam preparation

28 h SWS / presence time / working hours

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Thorsten Poddig

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Finance and Investment

Type of examination: module exam

Form of examination: Written examination	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Finanzierung und Investition	
Frequency: summer semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Dr. Gerrit Liedtke
Literature: Literature to be announced.	
Teaching method(s): Lecture	Associated module examination:

Module 07-WW-BA-37-140: Personal und Organisation

Human Resource Management and Organization

Assignment to areas of study:

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

The course focuses on the basic concepts of human resource management and their application to practical phenomena.

Topics include

- Theoretical approaches to personnel and organization
- Strategic human resource management
- Personnel planning, recruitment, and selection
- Personnel planning and job design
- Leadership
- Personnel developmen

Learning outcomes / competencies / targeted competencies:

After completing the module, students will be able to...

- ... recognize, classify and differentiate between the most important approaches of personnel management.
- ... critically question established approaches of personnel and organizational management and apply them to practical problems.
- ... solve unstructured situations that companies encounter in the course of organization and/or personnel management on the basis of established theories.

Calculation of student workload:

26 h Exam preparation

28 h SWS / presence time / working hours

63 h Preparation / follow-up work

63 h Self-study

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Julia Maria Kensbock

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Human Resource Management and Organization

Type of examination: module exam

Form of examination: Electronic written exam (in presence)	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Personal und Organisation	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Prof. Dr. Julia Maria Kensbock
Literature: Oechsler, W. A. & Paul, C. (2019). Personal und Arbeit. 11. Auflage, De Gruyter Oldenbourg.	
Teaching method(s): Lecture	Associated module examination:
Associated module courses Personal und Organisation (Lecture)	

Module 07-WW-BA-37-150: Wertschöpfungsprozesse

Value Creation Processes

Assignment to areas of study:

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

The general structure of the course is as follows:

- Introduction to production, sourcing, logistics
- network design and transport planning
- demand forecasting
- deterministic inventory management
- stochastic inventory management
- portfolio models for material management
- Aggregate Planning
- Master Production Schedule
- Material Requirement Planning
- Scheduling

Learning outcomes / competencies / targeted competencies:

The students should know and understand the design and planning possibilities in production and logistics as well as understand, present, evaluate and develop their own suggestions for solutions.

Calculation of student workload:

32 h Exam preparation

46 h Self-study

65 h SWS / presence time / working hours

46 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Tobias Witt

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Value Creation Processes

Type of examination: module exam

Form of examination:

Written examination

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses

Course: Wertschöpfungsprozesse

Frequency:

summer semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

2,00

University teacher:

Prof. Dr. Tobias Witt

Literature:

CORSTEN, H.: Produktionswirtschaft, Einführung in das industrielle Produktionsmanagement, München, 2000

SCHNEEWEISS, C.: Einführung in die Produktionswirtschaft, Berlin u. a., 2002

GÜNTHER H.-O., TEMPELMEIER, H.: Produktion und Logistik, Berlin u. a., 2000

PFOHL, H.-C.: Logistiksysteme – betriebswirtschaftliche Grundlagen, Berlin u. a., 2000

GÖPFERT, I.: Logistik Führungskonzeptionen des Logistikmanagements und –controllings, München, 2000

THONEMANN, U.: Operations Management, München 2005

VAHRENKAMP, R.: Logistik, München 2005

Teaching method(s):

Lecture

Tutorial

Associated module examination:

Module 07-WW-BA-37-161: Unternehmensbesteuerung

Company Taxation

Assignment to areas of study:

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

This course presents different types of taxes concerning companies and shareholders. The focus is on successful taxation of joint partnerships and corporate entities. Students should afterwards be sensitive to tax effects in economic decisions.

Learning outcomes / competencies / targeted competencies:

After having attended the course, students will be familiar with possible structures of business taxation. They will be able to describe its economic qualities. They will understand elementary economic tax effects. They will be able to solve taxation scenarios and have a critical view on results. Students will judge value concepts of company taxation.

Calculation of student workload:

42 h Self-study
 40 h Exam preparation
 28 h SWS / presence time / working hours
 28 h Tutorial
 42 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Franz Jürgen Marx

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Company Taxation

Type of examination: module exam

Form of examination:

Written examination

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses

Course: Unternehmensbesteuerung	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Prof. Dr. Franz Jürgen Marx
<p>Literature:</p> <p>Grefe, Cord: Unternehmenssteuern, 22. Aufl., Ludwigshafen 2019.</p> <p>Jacobs, Otto H.: Unternehmensbesteuerung und Rechtsform, 5. Aufl., München 2015.</p> <p>König, Rolf/Wosnitza, Michael: Betriebswirtschaftliche Steuerplanungs- und Steuerwirkungslehre, Heidelberg 2004.</p> <p>Kraft, Cornelia/Kraft, Gerhard: Grundlagen der Unternehmensbesteuerung, 5. Aufl., Wiesbaden 2017.</p> <p>Kußmaul, Heinz: Betriebswirtschaftliche Steuerlehre, 8. Aufl., München 2020.</p> <p>Marx, Franz Jürgen/Kläne, Sebastian/Korff, Matthias/Schlarmann, Bernd: Unternehmensbesteuerung, 3. Aufl., Herne 2018.</p> <p>Scheffler, Wolfram: Besteuerung von Unternehmen, Band I, 14. Aufl., Heidelberg 2020.</p> <p>Schneider, Dieter: Steuerlast und Steuerwirkung, München/Wien 2002.</p> <p>Scholes, Myron S. et. Al.: Taxes and Business Strategy, A Planning approach, 5th edition, Upper Saddle River /N.J. 2016.</p> <p>Schreiber, Ulrich/Kahle, Holger/Ruf, Martin: Besteuerung der Unternehmen, 5. Aufl., Berlin/Heidelberg/New York 2021.</p> <p>Tipke, Klaus u.a.: Steuerrecht, 24. Aufl., Köln 2021.</p> <p>Wagner, Franz W., Besteuerung, in: Vahlens Kompendium der Betriebswirtschaftslehre, hrsg. V. Michael Bitz u.a., Band 2, 5. Aufl., München 2005, S. 407-477.</p>	
Teaching method(s): Lecture Tutorial	Associated module examination: Modulprüfung Unternehmensbesteuerung
<p>Associated module courses</p> <p>Unternehmensbesteuerung ()</p> <p>Unternehmensbesteuerung (Lecture)</p> <p>Unternehmensbesteuerung (Tutorial)</p>	

Module 07-WW-BA-37-162: International Business

International Business

Assignment to areas of study:

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

The module's content focuses on companies' internationalization process from different management perspectives, including an introduction to entry modalities, the strategic balance of local and global pressures, and the organization of international business relationships. In addition to this basic theoretical knowledge, the module offers an up-to-date overview of the role of multinational enterprises in the globalized world.

Learning outcomes / competencies / targeted competencies:

The module provides an introduction to international management. In addition to acquiring critical knowledge of various aspects of international management (e.g., strategic management, human resource management, organizational forms), students learn to apply this knowledge through case studies. After completing this module, students can better navigate the tension between local and global factors in international management.

Calculation of student workload:

63 h Preparation / follow-up work
 28 h SWS / presence time / working hours
 26 h Exam preparation
 63 h Self-study

Are there optional courses in the modules?

no

Language(s) of instruction:

English

Responsible for the module:

Prof. Dr. Peter Michael Anton Bican

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: International Business

Type of examination: module exam

Form of examination:

Written examination

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Englisch

Module courses

Course: International Business	
Frequency: winter semester, yearly	Language(s) of instruction: Englisch
Contact hours: 2,00	University teacher: Prof. Dr. Peter Michael Anton Bican
Literature: Cavusgil, S. Tamer; Knight, Gary; Riesenberger, John R. (2020): International business. The new realities. Fifth edition. Harlow, England: Pearson Education Limited.	
Teaching method(s): Lecture	Associated module examination:
Associated module courses	
International Business (Lecture)	

Module 07-WW-BA-37-730: Projektmanagement**Project Management****Assignment to areas of study:**

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

This course procures practice-oriented knowledge about project management. Details of gained knowledge:

- Development of project proposal
- Project organization: leadership, teamwork, social and cultural competencies
- Techniques of project planning and controlling
- Evaluating of project risks
- Project documentation
- Use of project management software

Learning outcomes / competencies / targeted competencies:

Students should internalize project management as an important organizational form and they should learn to organize projects by themselves. They should value capability for teamwork, get to know the techniques of project planning and project controlling, should know how to rate the risk of projects and furthermore should be able to use project management software.

Calculation of student workload:

26 h SWS / presence time / working hours

26 h Exam preparation

63 h Self-study

63 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Martin Möhrle

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations**Module examination:** Project Management**Type of examination:** module exam**Form of examination:**

Portfolio (AT § 8 Abs. 8)

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses**Course:** Projektmanagement**Frequency:**

summer semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

2,00

University teacher:

Prof. Dr. Martin Möhrle

Literature:

Ausgewählte Aufsätze aus:

Projektmanagement-Fachmann, 2008, Verl. Wiss. & Praxis, Sternenfels.

Gessler, Michael: Kompetenzbasiertes Projektmanagement (PM 3).

Handbuch für die Projektarbeit, Qualifizierung und Zertifizierung auf Basis der IPMA Competence Baseline Version 3.0. Nürnberg: GPM Deutsche Gesellschaft für Projektmanagement

Teaching method(s):

Lecture

Associated module examination:

Module 07-WW-BA-37-740: Nachhaltiges Management Sustainable Management

Assignment to areas of study:

- Business Studies

Content-related prior knowledge or skills:

none

Learning content:

The course provides the historical background of sustainability as well as its different meanings and justifications for it such as a societal as well as a corporate understanding of sustainability. Building on an economic understanding of sustainability, a resource-oriented framework is developed which contrasts the traditional efficiency-oriented model. As contradictions arise due to contrasting efficiency and sustainability, strategies on how to deal with contradictions are developed. In addition, strategic tools are offered (such as the Sustainable Balanced Scorecard, sustainability reporting or the concept of Corporate Social Responsibility) and discussed.

Learning outcomes / competencies / targeted competencies:

The objective of this course is that students understand the difference between a normative and rational understanding of sustainability. By using efficiency and sustainability as economic rationalities students can describe complementary but contradictory economic rationalities as well as their psychological preconditions. Students are being offered theoretical rationales for describing, understanding and analysing corporate actions and communication on the sustainability topic.

Calculation of student workload:

63 h Preparation / follow-up work

26 h Exam preparation

63 h Self-study

28 h SWS / presence time / working hours

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Georg Müller-Christ

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Sustainable Management

Type of examination: module exam

Form of examination:

Portfolio (AT § 8 Abs. 8)

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses**Course:** Nachhaltiges Management**Frequency:**

summer semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

2,00

University teacher:

Dr. Nadine Husenbeth

Literature:

Literature to be announced.

Teaching method(s):

Lecture

Associated module examination:

Module 07-WW-BA-35-310: Mikroökonomie

Microeconomics

Assignment to areas of study:

- Economics

Content-related prior knowledge or skills:

none

Learning content:

Based on basic microeconomic concepts and assumptions, we start the lecture by introducing partial equilibria models in consumption and production theory. Next, we focus on microeconomic decision theory and address the transition from partial to general equilibria models. Building on these insights, we discuss the occurrence of market failures due to asymmetric information and related issues such as the role played by knowledge, learning and innovation. Finally, we provide a brief introduction into basic game-theoretical concepts, network theory as well as complex system approaches.

Learning outcomes / competencies / targeted competencies:

The lecture introduces basic concepts of microeconomic theory. The neoclassical standard framework is complemented by a discussion of contemporary theoretical advancements. Students attending this course will gain a comprehensive overview of economic concepts and models that explain the behavior of economic actors at the micro-level.

The contents covered by the lecture will be deepened in an exercise course on the basis of examples. In the tutorial courses students themselves will apply previously introduced concepts under the guidance of tutors.

Calculation of student workload:

56 h SWS / presence time / working hours

32 h Exam preparation

28 h Tutorial

32 h Self-study

32 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

N.N.

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations**Module examination:** Microeconomics**Type of examination:** module exam**Form of examination:**

Written examination

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses

Course: Mikroökonomie

Frequency:

summer semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

4,00

University teacher:

N.N.

Literature:

Pindyck, R. S./Rubinfeld, D. L.: Mikroökonomie.

Additional literature will be announced throughout the lectures.

Teaching method(s):

Lecture

Tutorial

Associated module examination:

Modulprüfung Mikroökonomie

Module 07-WW-BA-35-320: Makroökonomie

Macroeconomics

Assignment to areas of study:

- Economics

Content-related prior knowledge or skills:

It is recommended to have completed the module "Microeconomics". In addition, we assume sufficient basic knowledge of mathematics and statistics.

Learning content:

- Introduction
- National Accounts
- Goods Market
- Money and Financial Markets
- Taylor Rule
- Time inconsistency of Monetary politics
- Labor Market
- Phillips Curve
- Expectations
- IS-LM-PC Model
- Financial and Economic Crises

Learning outcomes / competencies / targeted competencies:

The lecture provides the students with the necessary tools in order to analyze the short-run and medium-term impact of economic policy in closed and small open economies. The students acquire a comprehensive knowledge of the functioning of goods, money, financial and labor markets from a macroeconomic perspective. The effectiveness of monetary and fiscal policy measures is assessed with respect to its success in reducing unemployment and inflation, and in stabilizing the economy.

Calculation of student workload:

28 h Tutorial
 56 h SWS / presence time / working hours
 26 h Exam preparation
 35 h Self-study
 35 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Torben Klarl

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Macroeconomics	
Type of examination: module exam	
Form of examination: Written examination	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Makroökonomie	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 4,00	University teacher: Prof. Dr. Torben Klarl
Literature: Blanchard, O.; Illing, G. (2017). Makroökonomie. Pearson (7., akt. und erw. Auflage) Mankiw, N. G. (2011). Makroökonomik. Stuttgart: Schäffer-Poeschel	
Teaching method(s): Lecture Tutorial	Associated module examination: Modulprüfung Makroökonomie
Associated module courses	
Makroökonomie ()	
Makroökonomie (Lecture)	
Makroökonomie (Tutorial)	

Module 07-WW-BA-35-330: Wirtschafts- und Finanzpolitik Economic and Fiscal Policy

Assignment to areas of study:

- Economics

Content-related prior knowledge or skills:

It is recommended to have completed the module "Microeconomics".

Learning content:

The content of the course follows the lecture's outline:

Chapter 1: Basics of Economic and Fiscal Policy: Goals, Institutions, and Instruments

Chapter 2: Market and Efficiency – The Welfare Economic Reference Model

Chapter 3: Reasons and Problems of Public Provision of Public Goods

Chapter 4: Externalities and State Intervention

Chapter 5: Indivisibilities and State Intervention

Chapter 6: Asymmetric Information and Economic Problems

Chapter 7: Public Budget and Budget Cycle

Chapter 8: Introduction to Economic and Fiscal Policy in Federal Systems

Chapter 9: Basics of Taxation: Tax Rate, Tax Impact, and Tax Incidence

Chapter 10: Basics of Public Debt

Learning outcomes / competencies / targeted competencies:

The lecture "Economic and Fiscal Policy" provides students a comprehensive introduction to the economic activities of the state and addresses specific problems of economic and fiscal policy. From a theoretical perspective, the course deals with economic foundations of state activities and provides an entry into public finance. Beside the presentation of goals, institutions and instruments of economic and fiscal policy, the analysis of market processes and clarification of sources of market failures will be shown. In addition, the lecture introduces foundations of economic and fiscal policy in multilevel systems. In particular, the public budget and the budget process is particularly relevant.

Calculation of student workload:

42 h Preparation / follow-up work

56 h SWS / presence time / working hours

42 h Self-study

40 h Exam preparation

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. André Heinemann

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Economic and Fiscal Policy	
Type of examination: module exam	
Form of examination: Written examination	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Wirtschafts- und Finanzpolitik	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Prof. Dr. André Heinemann
<p>Literature: In alphabetical order (selected parts of textbooks):</p> <p>Berg, Hartmut, Cassel, Dieter und Karl-Hans Hartwig (2012), Theorie der Wirtschaftspolitik, in Apolte, Th. et al. (Hrsg), Vahlens Kompendium der Wirtschaftstheorie und Wirtschaftspolitik. Bd. 2, 9., überarb. Aufl., Vahlen, München, 243–368.</p> <p>Brümmerhoff, Dieter und Thiess Büttner (2018), Finanzwissenschaft. 12., überarbeitete Aufl., De Gruyter Oldenbourg, Berlin.</p> <p>Edling, Herbert (2011), Die Hauptfunktionen des Staates, Wirtschaftsstudium 40 (3), 379–391.</p> <p>Fritsch, Michael (2018), Marktversagen und Wirtschaftspolitik. 10., überarbeitete und ergänzte Aufl., Vahlen, München.</p> <p>Grossekettler, Heinz (2012), Öffentliche Finanzen, in Apolte, Th. et al. (Hrsg), Vahlens Kompendium der Wirtschaftstheorie und Wirtschaftspolitik. Bd. 1, 9., überarb. Aufl., Vahlen, München, 561–721.</p> <p>Klump, Rainer (2013), Wirtschaftspolitik. 3., aktualisierte Auflage, Pearson, München.</p> <p>Zimmermann, Horst, Henke, Klaus-Dirk und Michael Broer (2017), Finanzwissenschaft. 12., neu gestaltete und überarbeitete Aufl., Vahlen, München.</p> <p>English textbook: Rosen, Harvey S. and Ted Gayer (2014), Public Finance. 10th Global Edition, McGraw-Hill, Maidenhead, UK. Leseliste</p>	
Teaching method(s): Lecture	Associated module examination:
<p>Associated module courses</p> <p>Wirtschafts- und Finanzpolitik ()</p> <p>Wirtschafts- und Finanzpolitik (Lecture)</p>	

Module 07-WW-BA-35-340: Mikroökonomie für Fortgeschrittene Advanced Microeconomics

Assignment to areas of study:

- Economics

Content-related prior knowledge or skills:

Successful completion of the module "Microeconomics".

Learning content:

- Introduction
- Bounded Rationality: Real-World Human Beings
- Behavioral Economics: The Role of Anomalies
- Adverse Selection, Signaling, and Screening: The Market for Lemons
- "Animal Spirits": The Role of Narratives
- Neuroeconomics: Empathy & Affect
- Preference Learning: A Malleable Measuring-Rod
- Happiness economics: Human Strivings & their Outcomes
- Nudge theory: Soft Paternalism
- Conclusions

Learning outcomes / competencies / targeted competencies:

This module introduces students to graduate level microeconomic theory with a focus on behavioral aspects. They will get familiar with established concepts and methodological tools of behavioral economics. Moreover, fields of research belonging to more heterodox approaches to microeconomics and their implications are introduced. In any case, students attain crucial analytical skills to apply advanced theoretical concepts of microeconomics to empirical phenomena, such as bounded rationality, "green" preference learning, findings from happiness research, "nudging" as a behavioral political instrument, empathy, or the effects of (evolved) cognitive "biases" in decision making and preference acquisition.

Calculation of student workload:

60 h Preparation / follow-up work
60 h Self-study
32 h Exam preparation
28 h SWS / presence time / working hours

Are there optional courses in the modules?

no

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Advanced Microeconomics

Type of examination: module exam	
Form of examination: Written examination	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: - / - / -	
Language(s) of instruction: Deutsch / English	

Module courses

Course: Mikroökonomie für Fortgeschrittene	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch / English
Contact hours: 2,00	University teacher: Matheus Eduardo Leusin Prof. Dr. Christian Cordes
Literature: Literature will be announced during the lecture.	
Teaching method(s): Seminar	Associated module examination:
Associated module courses Mikroökonomie für Fortgeschrittene (Seminar)	

Module 07-WW-BA-35-350: Makroökonomie für Fortgeschrittene

Advanced Macroeconomics

Assignment to areas of study:

- Economics

Content-related prior knowledge or skills:

It is strongly recommended to have completed the modules "Microeconomics" and "Macroeconomics".

Learning content:

1. Principles of Behavioral Macroeconomics
 - Emotions and economic decisions
 - Fairness and Altruism
 - Related examples from environmental economics and finance
2. Growth
 - The simple and extended Solow-Model
 - Automation, Employment, Growth and Inequality
 - Ideas, Innovations and endogenous Growth

Learning outcomes / competencies / targeted competencies:

The lecture provides the students with the necessary tools in order to analyze policy related endeavors based on behavioral models, where emotions, fairness and altruism plays a role. Moreover, the lecture also tackles growth related topics. Inter alia, students learn that ideas are an essential ingredient for understanding growth.

Calculation of student workload:

56 h SWS / presence time / working hours
 49 h Self-study
 26 h Exam preparation
 49 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Torben Klarl

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Advanced Macroeconomics

Type of examination: module exam

Form of examination:

Written examination

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses

Course: Makroökonomie für Fortgeschrittene

Frequency:

summer semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

4,00

University teacher:

Prof. Dr. Torben Klarl

Literature:

Literature will be announced during the lecture.

Teaching method(s):

Lecture

Tutorial

Associated module examination:

Module 07-WW-BA-37-510: Mathematik Mathematics

Assignment to areas of study:

- Methods

Content-related prior knowledge or skills:

none

Learning content:

The mathematics lecture is divided into approximately two parts, the first part consisting essentially of analysis and the second of linear algebra. Following a general introduction and concept formation the following themes will be broached; arithmetic as well as geometric sequences and progressions, financial mathematical relationships, functions, limiting values and differential calculus as well as functions of several variables. The second part will then focus on the aspects of linear algebra including vectors, matrices, equation systems, quadratic forms and eigenvalues. The constant use of the aforementioned accounting techniques, with the help of many examples from current economic practice, will facilitate the understanding of many relationships within economics.

Learning outcomes / competencies / targeted competencies:

The students should have a good command of the mathematic principles and equations on which the foundations of economics are based. In addition to this, the students should be able to apply the mathematical models in clearly demonstrating complex economic and socio-scientific relationships. The understanding and ability to apply the mathematical principles is the basis for a successful course of study within economics.

Calculation of student workload:

32 h Exam preparation
56 h SWS / presence time / working hours
32 h Preparation / follow-up work
32 h Self-study
28 h Tutorial

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Thorsten-Ingo Dickhaus

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

SoSe 24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Mathematics

Type of examination: module exam

Form of examination:

Written examination

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses

Course: Mathematik

Frequency:

winter semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

4,00

University teacher:

Prof. Dr. Thorsten-Ingo Dickhaus

Literature:

SYDSAETER, K.; HAMMOND, J.P. (1995): Mathematics for Economic Analysis, Prentice Hal Inc.

Walter, Lothar (2020). Mathematik im Studium der Wirtschaftswissenschaften – Hinführung – Vorlesungen – Prüfung. De Gruyter Verlag. ISBN: 9783110643749

Teaching method(s):

Lecture

Tutorial

Associated module examination:

Modulprüfung Mathematik

Associated module courses

Mathematik (Tutorial)

Mathematik ()

Mathematik (Lecture)

Module 07-WW-BA-37-520: Datenanalyse**Data Analysis****Assignment to areas of study:**

- Methods

Content-related prior knowledge or skills:

none

Learning content:

Understanding data and extracting knowledge from data are of growing importance for science, business and society. To this end, the course imparts knowledge of basic quantitative methods that are proving to be central to economic science. The spectrum of methods ranges from descriptive statistical methods to artificial intelligence algorithms. Thus, fundamental concepts of data literacy are addressed and discussed on the basis of specific methods. These include in detail:

- Information concepts in data analysis
- Representation for data distributions
- Measuring location, dispersion and inequality
- Working with discrete and continuous rates of change
- Index calculation and time series analysis
- Multidimensional dependence measurement
- Algorithmic classification methods

Learning outcomes / competencies / targeted competencies:

Students are able to graphically represent data sets in a meaningful way and to recognise and describe data structures. They are aware that quantitative data have different information contents and know central aspects of data evaluation as well as typical economic applications. They can distinguish between correlation and causality and are aware of the problems of multidimensional dependency structures. Furthermore, they can confidently take into account the information differences of various quantitative measures and data structures in data-related argumentation and the discussion of statistical findings and thus avoid erroneous conclusions in data analysis. Finally, they are able to communicate data findings in an informed manner.

Calculation of student workload:

28 h Tutorial
 28 h Preparation / follow-up work
 28 h Self-study
 40 h Exam preparation
 56 h SWS / presence time / working hours

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Martin Missong

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

SoSe 24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Data Analysis	
Type of examination: module exam	
Form of examination: Electronic written exam (in presence)	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Datenanalyse	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 4,00	University teacher: Prof. Dr. Martin Missong
Literature: There exists a lecture notes and a workbook.	
Teaching method(s): Lecture Tutorial	Associated module examination: Modulprüfung Datenanalyse
Associated module courses	
Datenanalyse ()	
Datenanalyse (Lecture)	
Datenanalyse (Tutorial)	

Module 07-WW-BA-37-530: Statistik Statistics

Assignment to areas of study:

- Methods

Content-related prior knowledge or skills:

Successful participation in the module "Data Analysis"

Learning content:

The generalisation of data-inherent structures and information frequently serves as basis of economic decision-making. Here, quantitative procedures of inferential statistics form the methodological basis. The module teaches appropriate inferential statistical procedures based on probability theory. The following topics are dealt with:

- Fundamentals of probability theory
- Univariate and multivariate random variables
- Parametric probability distributions
- Random samples and their distribution
- Parametric estimation and test procedures
- Non-parametric test methods

Learning outcomes / competencies / targeted competencies:

The students know the basic analysis methods of inferential statistics. They know the prerequisites that allow the transfer of sample findings to related populations. As a result, they are able to deal with common economic questions on the basis of the evaluation of sample findings with the help of adequate statistical methods in a proper using suitable computer programmes (programming language R, statistics programme pqr). In particular, they are confident in the application of basic statistical estimation and testing methods. They can correctly interpret their own analysis results, defend them argumentatively and communicate them transparently. They are also able to evaluate published results of quantitative-statistical studies appropriately.

Calculation of student workload:

56 h SWS / presence time / working hours

26 h Exam preparation

35 h Self-study

35 h Preparation / follow-up work

28 h Tutorial

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Martin Missong

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

SoSe 24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Statistics	
Type of examination: module exam	
Form of examination: Electronic written exam (in presence)	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Statistik	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 4,00	University teacher: Prof. Dr. Martin Missong
Literature: There is a lecture notes and a workbook with exercises for this module.	
Teaching method(s): Lecture Tutorial	Associated module examination: Modulprüfung Statistik
Associated module courses Statistik - Tutorium ()	

Module 07-WW-BA-35-510: Angewandte Programmierung in R

Applied Programming in R

Assignment to areas of study:

- Methods

Content-related prior knowledge or skills:

none

Learning content:

- Introduction to the R-System and use of the Command Window
- Use of R functions
- Writing user-defined functions and scripts
- Linear algebra in R
- Data structures and data types in R
- Creation of graphics with R
- Control structures (loops and conditional statements)
- Data import and export in R
- Optimization in R
- Regression in R
- Organization and implementation of case studies

Learning outcomes / competencies / targeted competencies:

After completing this course, the participants should have acquired the following skills:

- Use of the statistics software R
- Knowledge on basic elements of programming languages, especially loops, conditional statements and branches

Calculation of student workload:

41 h Self-study

41 h Preparation / follow-up work

56 h SWS / presence time / working hours

42 h Exam preparation

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Sebastian Fehrler

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Applied Programming in R

Type of examination: module exam

Form of examination: Portfolio (AT § 8 Abs. 8)	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	
Description: Portfolio + Klausur	

Module courses

Course: Angewandte Programmierung in R	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 4,00	University teacher: Lecturers will be announced via Stud.IP Prof. Dr. Kristina Klein
Literature: Grolemund, G. (2014). Hands-on programming with R: Write your own functions and simulations. "O'Reilly Media, Inc."	
Teaching method(s): Lecture Tutorial	Associated module examination:
Associated module courses Angewandte Programmierung in R (Seminar)	

Module 07-WW-BA-35-520: Einführung in die Ökonometrie

Introductory Econometrics

Assignment to areas of study:

- Methods

Content-related prior knowledge or skills:

Successful participation in the "Data Analysis" and "Statistics" modules

Learning content:

The module trains students in dealing with information, which forms the basis of the knowledge society. The statistical production process from the operationalisation of a question to the data analysis to the preparation of decisions is examined. The acquired knowledge qualifies the students to deal sensibly with empirical questions and multivariate data evaluations using linear models and regression analyses in professional practice. In addition, they open up a fundamental understanding of the contents and issues of quantitative methods modules within the framework of Master's degree programmes in the various scientific disciplines.

The module is structured along the following topics:

- A problem-oriented introduction to multidimensional dependency analysis
- Descriptive multiple Least Squares regression
- The multiple Linear Model
- Testing linear restrictions in the Linear Model
- Misspecification, multicollinearity, functional form and cross-effects
- Dummy variable regressions
- Checking the model assumptions
- Two Stage Least Squares estimation
- Estimation using time series data

Learning outcomes / competencies / targeted competencies:

The students can assess which data are required to empirically investigate given (specific scientific) questions. They are able to evaluate multidimensional data sets with the help of regression analyses by specifying suitable linear models and checking the model assumptions with the help of appropriate test procedures. Students are confident in determining and interpreting partial influences of individual model variables. Furthermore, they understand how to formulate assertions or hypotheses within the framework of the model and to test them for statistical significance. On the one hand, these skills enable them to carry out regression analyses independently and appropriately. On the other hand, they are able to reliably assess the significance of empirical studies.

Calculation of student workload:

84 h SWS / presence time / working hours
 40 h Exam preparation
 28 h Self-study
 28 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Martin Missong

Frequency: winter semester, yearly	Duration: 1 semester[s]
The module is valid since / The module is valid until: WiSe 23/24 / -	Credit points / Workload: 6 / 180 hours

Module examinations

Module examination: Introductory Econometrics	
Type of examination: module exam	
Form of examination: Written examination	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch	

Module courses

Course: Einführung in die Ökonometrie	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 4,00	University teacher: Prof. Dr. Martin Missong
Literature: There is a lecture script and a workbook. The script contains further literatu recommendations, in particular: M. Verbeek: A Guide to Modern Econometrics / Moderne Ökonometrie, Wiley A. H. Studenmund Using Econometrics - A Practical Guide, , Pearson in the respective current edition.	
Teaching method(s): Lecture Tutorial	Associated module examination:
Associated module courses Einführung in die Ökonometrie (Tutorial) Einführung in die Ökonometrie (Lecture) Einführung in die Ökonometrie ()	

Module 07-WW-BA-35-530: Ökonometrie für Fortgeschrittene Advanced Econometrics

Assignment to areas of study:

- Methods

Content-related prior knowledge or skills:

It is strongly recommended to complete the module "Introduction to Econometrics" beforehand.

Learning content:

This course builds on the course "Introductory Econometrics". The course introduces and applies advanced methods for analyzing data both in the time series as well as in the panel dimension. These methods can be directly applied for working on empirical projects in Finance, Marketing, and Accounting as well as in the micro- and macro-econometric sphere. The following topics are addressed:

- ML-Estimation of Linear and Nonlinear models
- Limited Dependent Variable Models and Goodness of Fit Measures
- Time Series Econometrics
- Analysis of Panel Data
- Introduction to Bayesian Econometrics

Learning outcomes / competencies / targeted competencies:

Students have a sound knowledge of state-of-the-art empirical methods addressing empirical questions. Students can create their own data set, select appropriate econometric techniques, and can critically present their findings

Calculation of student workload:

38 h Self-study
38 h Preparation / follow-up work
84 h SWS / presence time / working hours
20 h Exam preparation

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Torben Klarl

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Advanced Econometrics

Type of examination: module exam

Form of examination:

Portfolio (AT § 8 Abs. 8)

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses

Course: Ökonometrie für Fortgeschrittene

Frequency:

winter semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

6,00

University teacher:

Prof. Dr. Torben Klarl

Literature:

- Greenberg, E. (2013). Introduction to Bayesian econometrics (2. Aufl.). Cambridge [u.a.]: Cambridge University Press.
- Hastie, T.; Tibshirani R.; Friedman, J. (2013). The elements of statistical learning: data mining, inference, and prediction (2. Aufl.). New York: Springer.
- Verbeek, M. (2017). A guide to modern econometrics (5. Aufl.). Chichester, West Sussex: Wiley.
- Wooldridge, J. M. (2010). Econometric analysis of cross-section and panel data (2. Aufl.). Cambridge, Mass. [u.a.]: MIT Press

Teaching method(s):

Lecture
Tutorial

Associated module examination:

Module 07-WW-BA-35-410: WiWi Profilmodul 1

Economics Major Module 1

Assignment to areas of study:

- Major / Compulsory Modules

Content-related prior knowledge or skills:

Before beginning studies in the profile area, it is recommended to complete the and methodological compulsory modules of the first three semesters (see study plan).

Learning content:

Students will learn theories and concepts specific to their area of specialization as well as advanced problems in economics. Depending on the selected courses, students acquire an in-depth understanding of various primarily economic areas and can be trained as specialists in the field of bioeconomics or digital economics, or broaden their thematic focus according to personal preference.

Learning outcomes / competencies / targeted competencies:

In their major courses, students expand their basic knowledge acquired in the basics courses and gain a deeper understanding of the subject areas of the selected courses. Their skills in the following areas will be enhanced:

- Expert knowledge: Students will become familiar with different approaches and theories in their major courses and will be able to understand concepts and interrelationships in their chosen focus areas.
- Methodological knowledge: Students become familiar with relevant methods in their chosen subjects and learn to apply them.
- Transfer skills: Students will be able to apply what they have learned to simple questions from their chosen areas of focus.

Calculation of student workload:

70 h Exam preparation
 41 h Self-study
 41 h Preparation / follow-up work
 28 h SWS / presence time / working hours

Are there optional courses in the modules?

yes

In each of the modules 1, 2, 3, 4 and 5, one course from the current course catalog must be taken. The catalog of these courses is subject to change and is updated on a semester-by-semester basis.

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Economics Major Module 1	
Type of examination: module exam	
Form of examination: Announcement at the beginning of the semester	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch / English	

Module courses

Course: WiWi Profilmodul 1	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch / English
Contact hours: 2,00	University teacher: Prof. Dr. André Heinemann Prof. Dr. Torben Klarl Prof. Dr. Christian Cordes
Literature: Literature to be announced.	
Teaching method(s): Seminar	Associated module examination: WiWi Profilmodul 1

Module 07-WW-BA-35-420: WiWi Profilmodul 2

Economics Major Module 2

Assignment to areas of study:

- Major / Compulsory Modules

Content-related prior knowledge or skills:

Before beginning studies in the profile area, it is recommended to complete the and methodological compulsory modules of the first three semesters (see study plan).

Learning content:

Students will learn theories and concepts specific to their area of specialization as well as advanced problems in economics. Depending on the selected courses, students acquire an in-depth understanding of various primarily economic areas and can be trained as specialists in the field of bioeconomics or digital economics, or broaden their thematic focus according to personal preference.

Learning outcomes / competencies / targeted competencies:

In their major courses, students expand their basic knowledge acquired in the basics courses and gain a deeper understanding of the subject areas of the selected courses. Their skills in the following areas will be enhanced:

- Expert knowledge: Students will become familiar with different approaches and theories in their major courses and will be able to understand concepts and interrelationships in their chosen focus areas.
- Methodological knowledge: Students become familiar with relevant methods in their chosen subjects and learn to apply them.
- Transfer skills: Students will be able to apply what they have learned to simple questions from their chosen areas of focus.

Calculation of student workload:

70 h Exam preparation
 28 h SWS / presence time / working hours
 41 h Preparation / follow-up work
 41 h Self-study

Are there optional courses in the modules?

yes

In each of the modules 1, 2, 3, 4 and 5, one course from the current course catalog must be taken. The catalog of these courses is subject to change and is updated on a semester-by-semester basis.

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Economics Major Module 2	
Type of examination: module exam	
Form of examination: Announcement at the beginning of the semester	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch / English	

Module courses

Course: WiWi Profilmodul 2	
Frequency: summer semester, yearly	Language(s) of instruction: Deutsch / English
Contact hours: 2,00	University teacher: Prof. Dr. André Heinemann Prof. Dr. Torben Klarl Prof. Dr. Christian Cordes
Literature: Literature to be announced.	
Teaching method(s): Seminar	Associated module examination: WiWi Profilmodul 2

Module 07-WW-BA-35-430: WiWi Profilmodul 3**Economics Major Module 3****Assignment to areas of study:**

- Major / Compulsory Modules

Content-related prior knowledge or skills:

Before beginning studies in the profile area, it is recommended to complete the and methodological compulsory modules of the first three semesters (see study plan).

Learning content:

Students will learn theories and concepts specific to their area of specialization as well as advanced problems in economics. Depending on the selected courses, students acquire an in-depth understanding of various primarily economic areas and can be trained as specialists in the field of bioeconomics or digital economics, or broaden their thematic focus according to personal preference.

Learning outcomes / competencies / targeted competencies:

In their major courses, students expand their basic knowledge acquired in the basics courses and gain a deeper understanding of the subject areas of the selected courses. Their skills in the following areas will be enhanced:

- Expert knowledge: Students will become familiar with different approaches and theories in their major courses and will be able to understand concepts and interrelationships in their chosen focus areas.
- Methodological knowledge: Students become familiar with relevant methods in their chosen subjects and learn to apply them.
- Transfer skills: Students will be able to apply what they have learned to simple questions from their chosen areas of focus.

Calculation of student workload:

41 h Self-study

41 h Preparation / follow-up work

28 h SWS / presence time / working hours

70 h Exam preparation

Are there optional courses in the modules?

yes

In each of the modules 1, 2, 3, 4 and 5, one course from the current course catalog must be taken. The catalog of these courses is subject to change and is updated on a semester-by-semester basis.

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Economics Major Module 3	
Type of examination: module exam	
Form of examination: Announcement at the beginning of the semester	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch / English	

Module courses

Course: WiWi Profilmodul 3	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Prof. Dr. André Heinemann Prof. Dr. Torben Klarl Prof. Dr. Christian Cordes
Literature: Literature to be announced.	
Teaching method(s): Seminar	Associated module examination: WiWi Profilmodul 3
<p>Associated module courses</p> <p>Arbeitsmarktökonomik und Arbeitsmarktpolitik (T2) (Seminar)</p> <p>Digitalisierung - Eine volkswirtschaftliche Perspektive (T2) (Seminar)</p> <p>Internationale Wirtschaft und Nachhaltigkeit (Seminar)</p> <p>Technologie und Wachstum (Seminar)</p> <p>Technologie und Wachstum (Tutorial)</p> <p>Umwelt- und Ressourcenökonomik (T1) (Seminar)</p>	

Module 07-WW-BA-35-440: WiWi Profilmodul 4

Economics Major Module 4

Assignment to areas of study:

- Major / Compulsory Modules

Content-related prior knowledge or skills:

Before beginning studies in the profile area, it is recommended to complete the and methodological compulsory modules of the first three semesters (see study plan).

Learning content:

Students will learn theories and concepts specific to their area of specialization as well as advanced problems in economics. Depending on the selected courses, students acquire an in-depth understanding of various primarily economic areas and can be trained as specialists in the field of bioeconomics or digital economics, or broaden their thematic focus according to personal preference.

Learning outcomes / competencies / targeted competencies:

In their major courses, students expand their basic knowledge acquired in the basics courses and gain a deeper understanding of the subject areas of the selected courses. Their skills in the following areas will be enhanced:

- Expert knowledge: Students will become familiar with different approaches and theories in their major courses and will be able to understand concepts and interrelationships in their chosen focus areas.
- Methodological knowledge: Students become familiar with relevant methods in their chosen subjects and learn to apply them.
- Transfer skills: Students will be able to apply what they have learned to simple questions from their chosen areas of focus.

Calculation of student workload:

41 h Preparation / follow-up work
 28 h SWS / presence time / working hours
 70 h Exam preparation
 41 h Self-study

Are there optional courses in the modules?

no

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Economics Major Module 4

Type of examination: module exam

Form of examination: Announcement at the beginning of the semester	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch / English	

Module courses

Course: WiWi Profilmodul 4	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch / English
Contact hours: 2,00	University teacher: Prof. Dr. André Heinemann Prof. Dr. Torben Klarl Prof. Dr. Christian Cordes
Literature: Literature to be announced.	
Teaching method(s): Seminar	Associated module examination: WiWi Profilmodul 4
Associated module courses Arbeitsmarktökonomik und Arbeitsmarktpolitik (T2) (Seminar) Digitalisierung - Eine volkswirtschaftliche Perspektive (T2) (Seminar) Internationale Wirtschaft und Nachhaltigkeit (Seminar) Technologie und Wachstum (Seminar) Technologie und Wachstum (Tutorial) Umwelt- und Ressourcenökonomik (T1) (Seminar)	

Module 07-WW-BA-35-450: WiWi Profilmodul 5**Economics Major Module 5****Assignment to areas of study:**

- Major / Compulsory Modules

Content-related prior knowledge or skills:

Before beginning studies in the profile area, it is recommended to complete the and methodological compulsory modules of the first three semesters (see study plan).

Learning content:

Students will learn theories and concepts specific to their area of specialization as well as advanced problems in economics. Depending on the selected courses, students acquire an in-depth understanding of various primarily economic areas and can be trained as specialists in the field of bioeconomics or digital economics, or broaden their thematic focus according to personal preference.

Learning outcomes / competencies / targeted competencies:

In their major courses, students expand their basic knowledge acquired in the basics courses and gain a deeper understanding of the subject areas of the selected courses. Their skills in the following areas will be enhanced:

- Expert knowledge: Students will become familiar with different approaches and theories in their major courses and will be able to understand concepts and interrelationships in their chosen focus areas.
- Methodological knowledge: Students become familiar with relevant methods in their chosen subjects and learn to apply them.
- Transfer skills: Students will be able to apply what they have learned to simple questions from their chosen areas of focus.

Calculation of student workload:

70 h Exam preparation

28 h SWS / presence time / working hours

41 h Preparation / follow-up work

41 h Self-study

Are there optional courses in the modules?

no

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Economics Major Module 5

Type of examination: module exam

Form of examination: Announcement at the beginning of the semester	The examination is ungraded? no
Number of graded components / ungraded components / prerequisites of the examination: 1 / - / -	
Language(s) of instruction: Deutsch / English	

Module courses

Course: WiWi Profilmodul 5	
Frequency: summer semester, yearly	Language(s) of instruction: Deutsch / English
Contact hours: 2,00	University teacher: Prof. Dr. André Heinemann Prof. Dr. Torben Klarl Prof. Dr. Christian Cordes
Literature: Literature to be announced.	
Teaching method(s): Seminar	Associated module examination: WiWi Profilmodul 5

Module 07-WW-BA-35-460: WiWi Projektmodul Economics Project Module

Assignment to areas of study:

- Major / Compulsory Modules

Content-related prior knowledge or skills:

none

Learning content:

In the project module, students work on a larger research project. Depending on the selected project, they work on different tasks and subject-specific focal points, they use different methods and aim for different results. The knowledge acquired in the major modules is deepened and applied to an overarching question

Learning outcomes / competencies / targeted competencies:

Students expand their subject-specific knowledge and test the application of their specialist knowledge to complex problems. In addition to expanding their technical expertise, students learn other job-relevant and social skills such as:

- Working independently, coordination and time management
- Teamwork, coping with role and group dynamics
- Presentation techniques (oral and written)
- Dealing with complexity

Calculation of student workload:

150 h Preparation / follow-up work

150 h Self-study

32 h Exam preparation

28 h SWS / presence time / working hours

Are there optional courses in the modules?

yes

Either a profiling-related project or a topic project must be taken. The range of projects changes every year and can be found in the current course offerings.

Language(s) of instruction:

German / English

Responsible for the module:

Prof. Dr. André Heinemann

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

12 / 360 hours

Module examinations

Module examination: Economics Project Module

Type of examination: module exam

Form of examination:

Announcement at the beginning of the semester

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch / English

Module courses**Course:** WiWi Projektmodul**Frequency:**

winter semester, yearly

Language(s) of instruction:

Deutsch / English

Contact hours:

2,00

University teacher:

Prof. Dr. André Heinemann

Literature:

Literature to be announced.

Teaching method(s):

Project

Associated module examination:

WiWi Projektmodul

Associated module courses**Projektmodul Innovationsökonomik ()****Projektmodul Sustainability Economics ()**

Module 07-WW-BA-37-710: WiWi Onboarding Challenge

WiWi Onboarding Challenge

Assignment to areas of study:

- General Studies Area / Compulsory Modules

Content-related prior knowledge or skills:

none

Learning content:

The module takes up the entire first week of the first semester. The students receive an assignment to be solved in groups, which is identical for all students. The task is to solve a decision problem that is as current as it is interesting for the students and that relates to business and economics issues. Within this week several lectures take place:

- from different professional perspectives on the problem to be solved from the point of view of lecturers of the faculty
- from a practical perspective by company and NGO members
- on formal regulations and processing instructions for structuring and organizing the project task

The tasks are then worked on in small groups and closely supervised. The module concludes with a student competition for the best solution to the problem

Learning outcomes / competencies / targeted competencies:

- Introduction to studies based on current topics, learning on the practical object
- Early learning of group work processes and problem solving
- Overview of the scope of economic topics
- Learning with innovative teaching methods (productive learning, gamification)
- Getting to know different soft skills
- Knowledge about the new environment and the actors at the university, in the faculty as well as in real-life projects
- Networking, socializing

Calculation of student workload:

70 h Exam preparation

28 h SWS / presence time / working hours

41 h Preparation / follow-up work

41 h Self-study

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Prof. Dr. Christoph Burmann

Frequency:

winter semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations**Module examination:** WiWi Onboarding Challenge

Type of examination: module exam	
Form of examination: Group examination, oral	The examination is ungraded? yes
Number of graded components / ungraded components / prerequisites of the examination: - / 1 / -	
Language(s) of instruction: Deutsch	
Description: Gruppenprüfung wird als Gruppenpräsentation durchgeführt.	

Module courses

Course: WiWi Onboarding Challenge	
Frequency: winter semester, yearly	Language(s) of instruction: Deutsch
Contact hours: 2,00	University teacher: Prof. Dr. Jörg Freiling Prof. Dr. Vera Hagemann Prof. Dr. Christoph Burmann Maren Hartstock Prof. Dr. Christian Cordes
Literature: Literature will be announced.	
Teaching method(s): Lecture	Associated module examination:
Associated module courses WiWi Onboarding Challenge (Lecture)	

Module 07-WW-BA-37-720: Recht Law

Assignment to areas of study:

- General Studies Area / Compulsory Modules

Content-related prior knowledge or skills:

none

Learning content:

The students know and understand the legal transaction theory of the German Civil Code (BGB) and the different types of legal transactions, the most important legal obligations, the main features of property law, the German Commercial Code (HGB) as a supplementary legal system to the German Civil Code for merchants with its modifications, the terms merchant and commercial transaction, the importance of the commercial register, the basic differences between private companies and corporations, the main forms of corporations as well as their specifics with regard to formation, liability, governing bodies, etc., the main forms of private companies and their specifics in terms of incorporation, liability, governing bodies, etc.

Learning outcomes / competencies / targeted competencies:

Introduction to the basics of civil law: conclusion of contract, rescission, representation, law of minors

- BGB – general part: law of obligations, debtor and creditor default, impossibility, law of obligations
- BGB – Special Part: in particular law of sale
- HGB: Commercial transactions, characteristics of private companies
- AktG and GmbHG: characteristics of corporations

Calculation of student workload:

59 h Self-study

20 h Exam preparation

42 h SWS / presence time / working hours

59 h Preparation / follow-up work

Are there optional courses in the modules?

no

Language(s) of instruction:

German

Responsible for the module:

Irene Pötting

Frequency:

summer semester, yearly

Duration:

1 semester[s]

The module is valid since / The module is valid until:

WiSe 23/24 / -

Credit points / Workload:

6 / 180 hours

Module examinations

Module examination: Law

Type of examination: module exam

Form of examination:

Electronic written exam (in presence)

The examination is ungraded?

no

Number of graded components / ungraded components / prerequisites of the examination:

1 / - / -

Language(s) of instruction:

Deutsch

Module courses**Course:** Recht**Frequency:**

summer semester, yearly

Language(s) of instruction:

Deutsch

Contact hours:

4,00

University teacher:

Irene Pötting

Literature:

Literature will be announced.

Teaching method(s):

Lecture

Tutorial

Associated module examination:**Associated module courses****Recht** (Lecture)

Module 07-WW-BA-35-0: Extracurriculare Angebote**Extracurricular Offers****Assignment to areas of study:**

- Extracurricular Offers

Content-related prior knowledge or skills:

none

Learning content:

The extracurricular offers include all offers of the faculty that are not included in the curricula. These include information from the Study Center, the Office for International Affairs and the Office for Practice and Transfer, information events, one-off events, research seminars and other lectures, seminars and workshops that prepare students for starting a career or remaining in academia.

Learning outcomes / competencies / targeted competencies:**Calculation of student workload:****Are there optional courses in the modules?**

yes

Language(s) of instruction:

German / English

Responsible for the module:

N.N.

Frequency:

each semester

Duration:

1 semester[s]

The module is valid since / The module is valid until:

SoSe 24 / -

Credit points / Workload:

0 / 0 hours

Module examinations**Module courses****Course:** Extracurriculare Angebote**Frequency:**

each semester

Language(s) of instruction:

Deutsch / English

Contact hours:

0,00

University teacher:**Teaching method(s):****Associated module examination:****Associated module courses**

Infoveranstaltungen FB7 ()

Ringvorlesung CDE – Career Development and Employability (Seminar)