Overview on Courses offered in English
Faculty of Business and Economics
Version March 2019 – Faculty of Business and Economics

BACHELOR COURSES – WINTER SEMESTER

<table>
<thead>
<tr>
<th>Course title</th>
<th>Teacher</th>
<th>Creditpoints</th>
<th>Type of Course</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Modelling</td>
<td>Prof. Dr. Peter N. Posch Professorship of Finance - Center for Finance, Risk- &amp; Resource Management (FiRRM)</td>
<td>7.5</td>
<td>Lecture + Tutorial</td>
<td>separate application/registration process; has to be confirmed by the teacher</td>
</tr>
<tr>
<td>International Business</td>
<td>Prof. Dr. Tessa Flatten Professorship of Technology &amp; Management</td>
<td>7.5</td>
<td>Lecture + Tutorial</td>
<td></td>
</tr>
<tr>
<td>Management Control</td>
<td>Saskia Fleig, Dipl.-Kffr. Chair of Management Accounting and Control</td>
<td>7.5</td>
<td>Lecture + Tutorial</td>
<td></td>
</tr>
<tr>
<td>Monetary Economics</td>
<td>Prof. Dr. Ludger Linnemann Professorship of Applied Economics</td>
<td>7.5</td>
<td>Lecture + Tutorial</td>
<td></td>
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<tbody>
<tr>
<td>Financial Econometrics</td>
<td>Prof. Dr. Peter N. Posch Professorship of Finance - Center for Finance, Risk- &amp; Resource Management (FiRRM)</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td></td>
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<tr>
<td>Dynamic Macroeconomics</td>
<td>Prof. Dr. Philip Jung Professorship Macroeconomics</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td></td>
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<tr>
<td>Economics of Information</td>
<td>Prof. Dr. Wolfgang Leininger Chair of Microeconomic Theory</td>
<td>7,5</td>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>Game Theory</td>
<td>Prof. Dr. Wolfgang Leininger Chair of Microeconomic Theory</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td></td>
</tr>
<tr>
<td>Production Planning and Control</td>
<td>Prof. Dr. Ralf Gössinger Chair of Production Management and Logistics</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td></td>
</tr>
<tr>
<td>Strategic Technology and Innovation Management</td>
<td>Prof. Dr. Tessa Flatten Professorship of Technology &amp; Management</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
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<tr>
<td>Microeconometrics and Empirical Applications</td>
<td>Prof. Dr. Kornelius Kraft Chair of Economic Policy</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
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<tbody>
<tr>
<td>Academic Entrepreneurship Trends / Applying Entrepreneurship Research</td>
<td>Prof. Dr. Liudvika Leisyte Professorship of Higher Education</td>
<td>7.5</td>
<td>Seminar</td>
<td>separate application/registration process in advance</td>
</tr>
<tr>
<td>Organization of Innovation / Applying different approaches to organizing innovation</td>
<td>Prof. Dr. Liudvika Leisyte Professorship of Higher Education</td>
<td>7.5</td>
<td>Seminar</td>
<td>separate application/registration process in advance</td>
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<tr>
<td>Research Topics in Finance, Risk- and Resourcemanagement</td>
<td>Prof. Dr. Peter N. Posch Professorship of Finance - Center for Finance, Risk- &amp; Resource Management (FiRRM)</td>
<td>4</td>
<td>Seminar</td>
<td>Part of Master Module Finance V – separate application/registration process in advance</td>
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<tr>
<td>Quantitative Research Methods</td>
<td>Prof. Dr. Peter N. Posch Professorship of Finance - Center for Finance, Risk- &amp; Resource Management (FiRRM)</td>
<td>3.5</td>
<td>Lecture + Tutorial</td>
<td>Part of Master Module Finance V – separate application/registration process in advance</td>
</tr>
<tr>
<td>Business IT-Case Studies</td>
<td>Chair of Business Informatics</td>
<td>7.5</td>
<td>Seminar + Exercise</td>
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### Course Offerings

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<tr>
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<tr>
<td>Economics of Migration</td>
<td>Prof. Dr. Christiane Hellmanzik Urban, Regional &amp; International Economic Relations</td>
<td>7,5</td>
<td>Seminar</td>
<td>separate application/registration in advance</td>
</tr>
</tbody>
</table>

*Course title*

- *Economics of Migration* 5

*Teacher*

- Prof. Dr. Christiane Hellmanzik Urban, Regional & International Economic Relations

*Creditpoints*

- 7,5

*Type of Course*

- Seminar

*Remarks*

- separate application/registration in advance
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<tr>
<td>Financial Modelling</td>
<td>Prof. Dr. Peter N. Posch Professorship of Finance - Center for Finance, Risk- &amp; Resource Management (FiRRM)</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td></td>
</tr>
<tr>
<td>International Business</td>
<td>Prof. Dr. Tessa Flatten Professorship of Technology &amp; Management</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td>Part of the TU Dortmund Summer School (takes place in June/July)</td>
</tr>
<tr>
<td>Business Model Innovation</td>
<td>Prof. Dr. Tessa Flatten Professorship of Technology &amp; Management</td>
<td>5</td>
<td>Seminar</td>
<td>separate application/registration process in advance</td>
</tr>
<tr>
<td>Concepts and Cases in International Marketing</td>
<td>Prof. Dr. Hartmut Holzmüller Chair of Marketing</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td>Part of the TU Dortmund Summer School (takes place in June/July)</td>
</tr>
<tr>
<td>Introduction to International Accounting</td>
<td>JProf. Dr. N. Georgiou Chair of International Accounting and Auditing</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td></td>
</tr>
<tr>
<td>Labor Markets and Employment Theory</td>
<td>Prof. Dr. Philip Jung Professorship Macroeconomics</td>
<td>7,5</td>
<td>Lecture + Tutorial</td>
<td></td>
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<tr>
<td>Advanced business cycle analysis</td>
<td>Prof. Dr. Ludger Linnemann Professorship of Applied Economics</td>
<td>7,5</td>
<td>Lecture + Exercise</td>
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</tr>
<tr>
<td>Financial Economics</td>
<td>Prof. Dr. Peter N. Posch Professorship of Finance - Center for Finance, Risk- &amp; Resource Management (FiRRM)</td>
<td>4</td>
<td>Lecture</td>
<td>Master Module Finance I (one exam for both courses)</td>
</tr>
<tr>
<td>Applied Quantitive Finance</td>
<td>Prof. Dr. Peter N. Posch Professorship of Finance - Center for Finance, Risk- &amp; Resource Management (FiRRM)</td>
<td>3,5</td>
<td>Lecture + Exercise</td>
<td>Master Module Finance I (one exam for both courses)</td>
</tr>
<tr>
<td>Opportunity Recognition</td>
<td>Prof. Dr. Andreas Engelen Chair of Strategic and International Management</td>
<td>7,5</td>
<td>Lecture + Exercise</td>
<td></td>
</tr>
<tr>
<td>New Product Management</td>
<td>Prof. Dr. Tessa Flatten Professorship of Technology &amp; Management</td>
<td>7,5</td>
<td>Lecture + Exercise</td>
<td>separate application/registration process in advance of the semester; application only open for Master students</td>
</tr>
<tr>
<td>Industrial Marketing</td>
<td>Dr. Gerrit Cziehso Chair of Marketing</td>
<td>7,5</td>
<td>Lecture + Exercise</td>
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**MASTER SEMINARS – SUMMER SEMESTER** *(separate application/registration processes, limited capacities, previous knowledge required)*

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<tr>
<td>Foundations and Utilization of Systematic and Strategic Entrepreneurship in Complex Systems</td>
<td>Prof. Dr. Liudvika Leisyte (Professorship of Higher Education)</td>
<td>7,5</td>
<td>Seminar + Tutorial</td>
<td>separate application/registration in advance</td>
</tr>
<tr>
<td>Strategy and Technology Case Studies</td>
<td>Prof. Dr. Tessa Flatten (Professorship of Technology &amp; Management)</td>
<td>7,5</td>
<td>Seminar</td>
<td>separate application/registration in advance; application only open for Master students</td>
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<tr>
<td>Globalisation</td>
<td>Prof. Dr. Christiane Hellmanzik (Urban, Regional &amp; International Economic Relations)</td>
<td>7,5</td>
<td>Seminar</td>
<td>separate application/registration in advance; application only open for Master students</td>
</tr>
<tr>
<td>New Innovative Forms of Product Development</td>
<td>Prof. Dr. Tessa Flatten (Professorship of Technology &amp; Management)</td>
<td>7,5</td>
<td>Seminar</td>
<td>separate application/registration in advance; application only open for Master students</td>
</tr>
<tr>
<td>Topics in Spatial Economics</td>
<td>Prof. Dr. Christiane Hellmanzik (Urban, Regional &amp; International Economic Relations)</td>
<td>7,5</td>
<td>Seminar</td>
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Course Outlines

The following course outlines were taken from the Website of the Faculty of Business and Economics/the particular professorships and from the Module Handbooks for “Bachelor of Science Wirtschaftswissenschaften” and “Master of Science Wirtschaftswissenschaften” – the entire Handbooks are available under the following link:

https://www.wiwi.tu-dortmund.de/wiwi/de/studium/studiengaenge/index.html

Website Faculty of Business and Economics:

https://www.wiwi.tu-dortmund.de/wiwi/de/fakultaet/index.html

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<th>SWS</th>
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<tbody>
<tr>
<td>1</td>
<td>Concepts &amp; Cases in International Marketing</td>
<td>V+Ü</td>
<td>7,5</td>
<td>4</td>
</tr>
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</table>

### 3 Lehrinhalte
This module focuses on international business relations. In this course important basics, strategies and instruments of international marketing are presented and discussed. A particular focus lies on general frameworks and theoretical backgrounds in the context of international marketing. Besides theoretical foundations, forms of international market segmentation, determinants of market selection as well as strategic option of market development are covered in the lecture. Other core topics include the specific composition of the marketing mix for the adaption of international markets, typical marketing tasks as well as planning and decision making processes particular to international and intercultural marketing. Students learn the decision making and the transfer of theoretical concepts into real world problems with the help of case studies in the exercise.

### 4 Kompetenzen
The module helps to understand characteristics and functions of international marketing. Students learn to be aware of problems in the context of international marketing and get methodological competence for the management analysis. After this course students will be more sensitive regarding international marketing topics and get an understanding for actual issues and challenges in global markets. The professional competence guarantees that students are able to face up strategic and operational marketing tasks in global markets even under continuous changing conditions.

### 5 Prüfungen
Written and graded exam covering the entire module (90 minutes) or choice between written and graded exam covering the entire module (90 minutes) and Case Studies (1/3) + written and graded exam (60 minutes, 2/3) (mode will be announced in time).

### 6 Prüfungsformen und -leistungen
- Modulprüfung
- Teilleistungen

### 7 Teilnahmevoraussetzungen
- keine- Empfohlen wird abgeschlossenes Modul 2.

### 8 Modultyp und Verwendbarkeit des Moduls

### 9 Modulbeauftragte/r
- Prof. Dr. Hartmut Holzmüller
- Zuständige Fakultät
- Wirtschaftswissenschaften
### Modul 8a-d: Internationales Management I

**Bachelor-Studiengang:** „Wirtschaftswissenschaften“

<table>
<thead>
<tr>
<th>Nr.</th>
<th>Modulstruktur</th>
<th>Typ</th>
<th>Credits</th>
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<tbody>
<tr>
<td>1</td>
<td>International Business</td>
<td>V+U</td>
<td>7,5</td>
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</tr>
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### Lehrveranstaltungssprache

English

### Lehrinhalte

This course discusses strategy development while focusing on external environmental influences as well as national culture. Based on that, possible growth strategies for multinational enterprises are introduced. Within those growth strategies the lecture elaborates on innovations as basic success drivers. Moreover, it is discussed how to handle innovative-driven growth in different countries.

### Kompetenzen

By participating in this course students become familiar with basic instruments and tools of strategic management. By including cases the tutorial helps students to apply those instruments and tools in practice.

### Prüfungen

Students can choose between two options: Option 1) 90 minutes exam covering the entire module, Option 2) Preparation and presentation of a case (counts for 40 % of the grading) and 60 minutes exam (counts for 60 % of the grading).

### Prüfungsformen und -leistungen

- Modulprüfung
- Teilleistungen

### Teilnahmevoraussetzungen

- keine-

### Modultyp und Verwendbarkeit des Moduls


### Modulbeauftragte/r

Prof. Dr. Tessa Flatten

### Zuständige Fakultät

Wirtschaftswissenschaften
I. GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Lecture:</th>
<th>Introduction to International Accounting</th>
</tr>
</thead>
</table>
| Lecturer: | Assistant Professorship of Accounting & Finance  
Lecture: JProf. Dr. Nadine Georgiou  
Tutorial: Konstantina Kapsocavadis |
| Level: | Bachelor |
| ECTS: | 7.5 |
| Exam: | Written exam (90 minutes) at the end of summer-term, retake at the beginning of winter-term, no mid-terms |

II. DESCRIPTION OF THE LECTURE

Relevance of International Accounting

The globalization of financial markets in the last decades affected the information demand on the capital markets significantly. Even though companies disclosed mandatory financial statements according to their local GAAP, as for Germany the *Handelsgesetzbuch* (HGB), the cross-listing of shares on international stock exchanges as New York, London or Tokyo, forced them to publish more investor-oriented financial information. At the end of the nineties, German companies thus started voluntarily disclosing financial statements according to the International Accounting Standards (IAS)/International Financial Reporting Standards (IFRS). In order to harmonize diverse accounting practices within Europe, the EU-Commission decided the mandatory introduction and enforcement of the IAS/IFRS for consolidated financial statements of public companies since 2005.

The IAS/IFRS focusses on investor-oriented financial information and the true and fair view principle, contrary to the more conservative principles of the German GAAP (HGB) including creditor protection and capital maintenance. Further, the IAS/IFRS are set up according to case law (not code law like the German GAAP) and developed by a private standard setting board, the IASB (International Accounting Standard Board).

Content of the Lecture

The lecture Introduction to International Accounting gives an overview of the fundamental principles and standards within the IFRS framework. We will deal with recognition, measurement and disclosure issues of several IFRS standards, including the revaluation model (IAS 16), the impairment test (IAS 36) as well as the value concept of fair value (IFRS 13). Moreover, we will address additional disclosure elements, like the notes and the management commentary.
(1) Financial Reporting and Accounting Standards
(2) Conceptual Framework
(3) Value Concepts
(4) Cash Receivables
(5) Inventories
(6) Property, Plant and Equipment
(7) Depreciation and Impairment
(8) Intangible Assets and Goodwill
(9) Current Liabilities, Provisions and Contingencies
(10) Financial Instruments
(11) Equity
(12) Revenue Recognition
(13) Statement of Cash Flows
(14) Presentation and Disclosure in Financial Reporting

Literature:

III. LECTURE GOAL:

In the course of the lecture, the students will obtain profound knowledge of IAS/IFRS. They will be able to prepare, analyze, and interpret financial statements according to IAS/IFRS. Additionally, they will learn to critically discuss published standards as well as current developments in the IFRS framework.

The acquired skills are essential for the professional areas of e.g. accounting, auditing, financial analyses, consulting, risk, and tax advisory.
### Modul 8a-d: Unternehmensrechnung und Controlling I

**Bachelor-Studiengang:** „Wirtschaftswissenschaften“

<table>
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<tr>
<th>Turnus</th>
<th>Dauer</th>
<th>Studienabschnitt</th>
<th>Credits</th>
<th>Aufwand</th>
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<td>jährlich zum WS</td>
<td>1 Semester</td>
<td>5. Semester</td>
<td>7,5</td>
<td>225 h</td>
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<tbody>
<tr>
<td>1</td>
<td>Grundlagen des Controlling</td>
<td>V+U</td>
<td>7,5</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>Management Control</td>
<td>V+U</td>
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<td>4</td>
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#### 2 Lehrveranstaltungssprache
Deutsch / Englisch

#### 3 Lehrinhalte

Element 2: The course Management Control represents the Anglo-American equivalent of “Grundlagen des Controlling”. The purpose of the course is double: a) Understand the renewed role of a CFO or a Management Accountant as a business partner and designer of crucial management information and control systems for a company or a business, in order to better relate to them in future professional experiences; b) Raise the broader question of control in the 21st century organization: what is management control for? What kinds of control are appropriate? Es kann nur eines der beiden Elemente gewählt werden. Eine Belegung beider Elemente sowie ein Wechsel nach Fehlversuch sind nicht möglich.

#### 4 Kompetenzen
Element 1: Die Studierenden können verschiedene Ausprägungsformen des Controlling verstehen und in der betrieblichen Praxis einsetzen. Sie können zentrale Kenngrößen der wertorientierten Unternehmenssteuerung berechnen und den notwendigen Handlungsbedarf aufzeigen.

Element 2: At the end of the course, managers-in-the-making should be able to: a) Understand how information – financial and non-financial – affects behavior and decision-making; b) Understand some behavioral and organizational implications of financial and non-financial performance criteria; c) Make distinct and specific assessments of Management Control Systems both from a planning/guidance and a behavioral perspective.

#### 5 Prüfungen
Es ist eine benotete Modulprüfung in Form einer Klausurarbeit (Dauer 90 Minuten) zu erbringen / Graded 90 minutes exam covering the entire module.

<table>
<thead>
<tr>
<th>Prüfungsformen und -leistungen</th>
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<tbody>
<tr>
<td>☒ Modulprüfung</td>
</tr>
<tr>
<td>☐ Teilleistungen</td>
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#### 7 Teilnahmevoraussetzungen
-keine- Empfohlen werden abgeschlossene Module 1 und 4a.

#### 8 Modultyp und Verwendbarkeit des Moduls

#### 9 Modulbeauftragte/r
Prof. Dr. Andreas Hoffjan

**Zuständige Fakultät**
Wirtschaftswissenschaften
Business C: Digitalization & Entrepreneurship
Module: Entrepreneurship IV

M.Sc. Programme: „Wirtschaftswissenschaften“

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Duration</th>
<th>When taught</th>
<th>Credits</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>winter term</td>
<td>1 Semester</td>
<td>1./2./3. semester</td>
<td>7,5</td>
<td>225 h</td>
</tr>
</tbody>
</table>

1 Structure of the Module

<table>
<thead>
<tr>
<th>No.</th>
<th>Courses</th>
<th>Type</th>
<th>Credits Points</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Academic Entrepreneurship Trends</td>
<td>S</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Applying Entrepreneurship Research</td>
<td>E</td>
<td>3,5</td>
<td>2</td>
</tr>
</tbody>
</table>

2 Language of instruction

English

3 Contents of the Course

Today universities are expected to be entrepreneurial and engage with industry and broader society, entrepreneurship is seen as an engine for knowledge economies across the world. In this context the role of entrepreneurs at universities is emphasized. This seminar will use the latest empirical as well as theoretical insights of entrepreneurship studies to address the main trends in academic entrepreneurship. The tutorial will point to the practical aspects of academic entrepreneurship.

4 Competences

This seminar and tutorial will inform students about the latest trends in academic entrepreneurship. Students will critically reflect on the key findings of academic entrepreneurship studies. Besides acquainting themselves with the main barriers as well as facilitators of creation of new ventures they will acquire practical skills such as development of a business idea and pitching it.

5 Examinations

Module examination, consisting of a graded presentation, seminar paper, and active participation (attendance is obligatory).

6 Type of Examinations

☒ Covering the entire module ☐ Relating to individual courses

7 Requirements

-none-

8 Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik and offer to participants of Entrepreneurship School.

9 Module Coordinator

Prof. Dr. Liudvika Leisyte

Responsible department

Wirtschaftswissenschaften
### Economics
Module: Applied Economics III

**M.Sc. Programme: „Wirtschaftswissenschaften“**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Duration</th>
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<th>Time</th>
</tr>
</thead>
<tbody>
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<td>1 Semester</td>
<td>1./2./3. semester</td>
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<tr>
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<th>Courses</th>
<th>Type</th>
<th>Credit Points</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Advanced business cycle analysis</td>
<td>L+E</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Language of instruction
English

#### Content of the Module
The lecture covers current quantitative business cycle theories cast in the form of dynamic stochastic general equilibrium models. Students will learn about the quantitative implications of modelling decisions used in state-of-the-art business cycle models, the analytical and numerical solution of models, as well as their uses for simulation and empirical evaluation of theories.

#### Competences
Students acquire the ability to solve and quantitatively evaluate dynamic stochastic general equilibrium models. In the exercises, students will practically learn how to use software tools for numerical solution, simulation, and evaluation of theoretical models. Thus, they will gain the methodological competence to participate in applied macroeconomic research.

#### Examinations
Written and graded exam covering the entire module (90 minutes).

#### Type of Examinations
- Covering the entire module
- Relating to individual courses

#### Requirements
- none-

#### Status of the Module
Elective Module in the M.Sc. programmes Wirtschaftswissenschaften (esp. fast track), WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus.

#### Module Coordinator
Prof. Dr. Ludger Linnemann

#### Responsible department
Wirtschaftswissenschaften
## Structure of the Module

<table>
<thead>
<tr>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Business IT-Case Studies</td>
<td>E</td>
<td>7.5</td>
<td>4</td>
</tr>
</tbody>
</table>

## Language of instruction

English

## Content of the Module

Business information management is a quickly evolving discipline where many new topics come up every year. This seminar deals with recent topics in business information management. In several business case studies students learn about new topics and their relevance for businesses. Students solve the case studies mostly not alone but in a working team. In addition they have to prepare a report where they describe how they would solve the given problem for the business discussed. Based on this report, each group presents their result.

Students will learn about the challenges that IT managers have to face in their daily business. The main focus of the analysis is on economic efficiency with the adoption of best practices and therefore developments in Enterprise-scale IT.

## Competences

Students will gain an in-depth understanding of recent developments in business information management and the way how these businesses may benefit from new developments. They learn how to apply their acquired knowledge among several disciplines of business science in different contexts.

## Examinations

Graded presentations on the basis of written reports.

## Type of Examinations

- [ ] Covering the entire module
- [ ] Relating to individual courses

## Requirements

- None
- Recommended: Knowledge in Management on a bachelor level.

## Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik.

## Module Coordinator

Prof. Dr. Richard Lackes

## Responsible department

Wirtschaftswissenschaften
Economics
Module: Makroökonomie IV (Macroeconomics)
M.Sc. Programme: „Wirtschaftswissenschaften“

<table>
<thead>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>Dynamic macroeconomics</td>
<td>L+E</td>
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<td>4</td>
</tr>
</tbody>
</table>

2 Language of instruction
English

3 Content of the Module
This module presents methods and core applications of modern dynamic macroeconomic theory. Main topics are consumption and savings choices in incomplete markets, pricing of risky and riskless assets and applications to (optimal) fiscal policy and (search) theory of frictional labor markets.

4 Competences
The module provides tools and main results in modern dynamic macroeconomics on an advanced level to enable students to conduct their own research in macroeconomics.

5 Examinations
Graded written exam (90 minutes) or oral exam (30 minutes) covering the entire module (mode will be announced in time).

6 Type of Examinations
- Covering the entire module
- Relating to individual courses

7 Requirements
- none -

8 Status of the Module
Elective Module in the M.Sc. programmes Wirtschaftswissenschaften (esp. fast track), WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus

9 Module Coordinator
Prof. Dr. Philip Jung

Responsibility department
Wirtschaftswissenschaften
**Module: Mikroökonomie II (Microeconomics)**

**M.Sc. Programme „Wirtschaftswissenschaften“**

<table>
<thead>
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<tbody>
<tr>
<td>1</td>
<td>Economics of Information</td>
<td>L</td>
<td>3,5</td>
<td>2</td>
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<tr>
<td>2</td>
<td>Auctions: Theory, Applications, and Experiments</td>
<td>L</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Seminar in Economic Theory I</td>
<td>S</td>
<td>4</td>
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</tr>
</tbody>
</table>

2. **Language of Instruction**

English

3. **Content of the Module**

Element 1 proceeds from module 1. It delves into the explicit consideration of the distribution of information, in particular of markets with informational asymmetries and treats Moral Hazard, Adverse Selection, Signaling and Screening in jobmarkets, markets for insurance and markets for used cars. Element 2 introduces the foundations of the theory of auctions with private and inter-dependent valuations and of „all pay auctions“, the revenue equivalence theorem, and mechanism design. The element analyzes two European case studies (the ‘3G’-mobile phone auctions, the design of treasury bond auctions). Furthermore, the module reviews the literature on experimental studies on auctions. The seminar in Economic Theory in element 3 completes the module. The topics vary from term to term but meet the microeconomic methodological requirements and fit into the theme of the module.

4. **Competences**

The aim of element 1 is to generate theoretical comprehension of real market structures and of the diversity of observed behavior. In particular the systemic perspective on basis of the game theoretic approach, that individual behavior cannot be determined isolatedly, shall facilitate the ability for autonomous economic reasoning within market-based structures. Element 2 facilitates the skill to analyze practice-oriented problems of auctioning of economic goods strategically. Participants obtain profound knowledge of the literature and learn how to test scientific leading questions experimentally. The compulsory seminar serves the acquirement of the capability to communicate these abilities.

5. **Examinations**

Participants must pass a written and graded exam (60 minutes) of element 1 and may choose between elements 2 and 3. Element 2 requires a written and graded exam (60 minutes) and Element 3 requires a graded written paper. All examinations can be done in German if requested.

6. **Type of Examinations**

- [ ] Covering the entire module
- [x] Relating to individual courses
- 2 exams

7. **Requirements**

- none
- Recommended: knowledge of game theory at bachelor level.

8. **Type of Module and Applicability of the Module**

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus.

9. **Module Coordinator**

Prof. Dr. Wolfgang Leininger

**Responsible department**

Wirtschaftswissenschaften
**Economics**
Module: Urbane, regionale und internationale Wirtschaftsbeziehungen III
(Urban, regional and international economics)

**M.Sc. Programme: „Wirtschaftswissenschaften“**

<table>
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1. **Structure of the Module**

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<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Economics of Migration</td>
<td>S</td>
<td>7.5</td>
<td>4</td>
</tr>
</tbody>
</table>

2. **Language of instruction**

   Deutsch / Englisch

3. **Content of the module**

   In this seminar we discuss and analyse the economic drivers and the impact of migration. We consider microeconomic theories which help us understand individual migration decisions, such as wage and wealth differentials. Moreover, we will shed light on the impact of in- and out-migration on the labour market in the origin as well as the destination country. In this context, we also discuss the relevant political dimension in terms of migration laws.

   After this more general discussion students may choose a granular research question in the area of migration on which they will specialize and zoom in on a particular aspect of migration. With our guidance the research agenda will be set up and students will hopefully arrive at interesting results.

4. **Competences**

   Students will learn and apply empirical methods in the context of migration research. Combining theoretic considerations, literature research as well as data analysis students will develop the ability to analyse current debates with scientific means. Furthermore, analytical skills as well as critical thinking will be sharpened while using the necessary soft skills such as organization, individual/team work, communication etc. which all are highly relevant for the job market.

5. **Examinations**

   Module examination, consisting of a graded written paper, an oral presentation and active participation (attendance is obligatory).

6. **Type of Examinations**

   ✗ Covering the entire module  ☐ Relating to individual courses

7. **Requirements**

   -none- Recommended: Knowledge of empirical research.

8. **Status of the Module**

   Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, Raumplanung, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus.

9. **Module Coordinator**

   Prof. Dr. Christiane Hellmanzik

   **Responsible Department**

   Wirtschaftswissenschaften
### Structure of the Module

<table>
<thead>
<tr>
<th>No.</th>
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<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Financial Econometrics</td>
<td>L+E</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

### Language of instruction

English

### Content of the module

This lecture applies modern econometric methods to current questions from the field of finance, risk-management and commodity markets. We will both explore the theoretical dimensions of the models used as well as apply the methods to real-life datasets.

### Competences

Students learn the basic and advanced methods of financial econometrics. They apply the methods using datasets and thereby learn both the application of econometric methods as well as the caveats associated with real-life data, data gathering and data mining. The use of the industry specific programming language (currently Python) for econometric analysis is an essential part of this course.

### Examinations

Written and graded exam covering the entire module (90 minutes) or graded presentation based on written case study’s expose. The mode of the exam will be assigned at the beginning of the course.

### Type of Examination

- [x] Covering the entire module
- [ ] Relating to individual courses

### Requirements

- none - Recommended: Knowledge in statistical and econometrical methods, prior knowledge in finance, e.g. one of the modules. Due to limited PC-capacities you need to apply for this course.

### Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik.

### Module Coordinator

Prof. Dr. Peter N. Posch

### Responsible department

Wirtschaftswissenschaften
**Business C: Digitalization & Entrepreneurship**  
**Module: Entrepreneurship II**

**M.Sc. Programme: „Wirtschaftswissenschaften“**

<table>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Foundations of Systematic and Strategic Entrepreneurship in Complex Systems</td>
<td>S</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Utilization of Systematic and Strategic Entrepreneurship in Complex Systems</td>
<td>E</td>
<td>3,5</td>
<td>2</td>
</tr>
</tbody>
</table>

## Language of instruction

English

## Content of the Course

In recent years, the quest for entrepreneurial success has become increasingly complex. Fast technological changes and highly permeable global markets are just two of the many forces that contribute to this dynamic. Yet, at the same time, some of the basic principles remain the same. The key characteristics of entrepreneurs as well as the process of creating new ventures are largely the same, although context dependent. In this seminar we will focus on high-tech entrepreneurship and academic entrepreneurs in an international perspective as this type of entrepreneurship is the most salient for the university environment. The tutorial will provide opportunities to generate ideas for high-tech and academic entrepreneurship.

## Competences

This seminar will use the latest international empirical as well as theoretical insights of entrepreneurship studies and innovation studies to increase your understanding of the process of creating new ventures in different high-tech sectors internationally. The tutorial will develop your capacity to generate business ideas, filter them, and recognize the most feasible and potentially profitable opportunities. This seminar will improve your ability to champion your best ideas in writing.

## Examinations

Module examination, consisting of a graded presentation, seminar paper, and active participation (attendance is obligatory).

### Type of Examinations

- ✔ Covering the entire module
- □ Relating to individual courses

## Requirements

- none-

## Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik and offer to participants of Entrepreneurship School.

## Module Coordinator

Prof. Dr. Liudvika Leisyte

## Responsible department

Wirtschaftswissenschaften
**Module: Mikroökonomie IV (Microeconomics)**

**M.Sc. Programme:** „Wirtschaftswissenschaften“

<table>
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<th>Credit Points</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Game Theory</td>
<td>L+E</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

**2 Language of instruction**

English

**3 Content of the Module**

Game theory is a mathematical method of modeling virtually any situation in which humans interact and it has found applications in virtually every aspect of the social sciences. This course will examine the fundamental tools and concepts of game theory, both from a rationalistic as well as evolutionary point of view, while maintaining a focus on its applications in economics and business.

**4 Competences**

The course aims at a thorough understanding of interactive decision situations. Any social situation can be modeled as an interactive decision problem; i.e. a game. Mastering the modeling stage is the first step to analysis and finally solution of the problem. In particular, game theoretical models of market competition are contrasted with the standard approach to perfect competition, which is based on classical decision theory. The need of methodological competence to understand real world phenomena is stressed in this way.

**5 Examinations**

Written and graded exam covering the entire module (90 minutes).

**6 Type of Examinations**

- Covering the entire module
- Relating to individual courses

**7 Requirements**

- None
- Recommended: Knowledge of game theory at bachelor level.

**8 Status of the Module**

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften (esp. fast track), WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus.

**9 Module Coordinator**

Prof. Dr. Wolfgang Leininger

**Responsible department**

Wirtschaftswissenschaften
### Structure of the Module

<table>
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<tr>
<th>No.</th>
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<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Globalisation</td>
<td>S</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

### Language of instruction

Deutsch / Englisch

### Content of the module

In this course we are going to define and analyse in great depth various aspects of globalisation. In doing so, the students can largely decide which dimensions they find most topical at the moment. Potential areas of interest could be:

- Global migration flows and reasons for migration
- De-industrialisation in the Western economies and the rise of the Asian tigers
- International capital flows and their role for growth and development
- The role of cities and regions in a globally acting economy
- Political aspects of economic development
- What does globalisation mean for labour markets?
- Why are some countries still so poor?
- Anything which you find of interest in this context

### Competences

Students will conduct literature as well as data analysis in order to carefully analyse their chosen topic. Based on this we will assess the costs and benefits of globalisation on the analysed strand of the economy and ultimately think of the implications for planning spaces and policy makers.

### Examinations

Module examination, consisting of a graded written paper, an oral presentation and active participation (attendance is obligatory).

### Type of Examinations

- Covering the entire module
- Relating to individual courses

### Requirements

-none-

Recommended: Knowledge in mathematics, statistics and economics on a bachelor level.

### Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, Raumplanung, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus.

### Module Coordinator

Prof. Dr. Christiane Hellmanzik

### Responsible Department

Wirtschaftswissenschaften
**Business B: Management & Organizations**  
**Module: Marketing I**

**M.Sc. Programme:** „Wirtschaftswissenschaften“

<table>
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1. **Structure of the Module**

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<th>Type</th>
<th>Credit Points</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Industrial Marketing</td>
<td>L+E</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

2. **Language of instruction**

English

3. **Content of the Module**

Buying behavior and thus marketing in business-to-business (B2B) settings are in many ways different from business-to-consumer (B2C) settings. This module provides advanced marketing students with insights about marketing of industrial goods and services to business customers. In addition to fundamental aspects of B2B marketing (e.g., organizational buying behavior), more recent developments such as B2B communication via social media will be covered. Participants will learn the specific aspects of applying marketing theories and designing marketing strategies in B2B settings. Contents of this module include: (1) fundamental characteristics of industrial marketing management, (2) organizational buying processes, (3) marketing research for industrial markets, and (4) the general and business type specific development of marketing activities and programs for industrial markets. In addition to traditional teaching methods, participants will work on and discuss case studies to directly apply course contents and deepen the understanding of industrial marketing.

4. **Competences**

The module will provide participants with advanced knowledge about decision models, planning methods, and specific instruments of industrial marketing management. After the course, participants will (a) know the specificities of marketing in a business-to-business context, (b) be able to analyze organizational buying processes and to derive implications for marketing and sales approaches, (c) have the theoretical knowledge and practical insights on how to design and implement B2B marketing strategies for different business types, (d) be able to independently design, carry out, and analyze research projects on B2B marketing topics.

5. **Examinations**

Written and graded exam covering the entire module (90 minutes) or choice between written and graded exam covering the entire module (90 minutes) and Case Studies (1/3) + written and graded exam (60 minutes, 2/3) (mode will be announced in time).

6. **Type of Examinations**

- Covering the entire module
- Relating to individual courses

7. **Requirements**

-none-

Recommended: Basic knowledge in Marketing as well as in methods and instruments in Marketing Research/Planning.

8. **Status of the Module**

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik.

9. **Module Coordinator**

Dr. Gerrit Cziehso

**Responsible department**

Wirtschaftswissenschaften
**Module: Wirtschaftspolitik II (Economic Policy)**

**M.Sc. Programme: „Wirtschaftswissenschaften“**

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<th>Duration</th>
<th>When taught</th>
<th>Credit Points</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>winter term</td>
<td>1 Semester</td>
<td>1./2./3. semester</td>
<td>7.5</td>
<td>225 h</td>
</tr>
</tbody>
</table>

1. **Structure of the Module**

<table>
<thead>
<tr>
<th>No.</th>
<th>Courses</th>
<th>Type</th>
<th>Credit Points</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Microeconometrics and Empirical Applications</td>
<td>L+E</td>
<td>7.5</td>
<td>4</td>
</tr>
</tbody>
</table>

2. **Language of instruction**

English (except German gets unanimous vote)

3. **Content of the Module**

The lecture covers the econometric analysis of individual data, such as households and firms. Students learn how to solve frequently occurring problems with using microeconomic data. Among other topics, panel data, instrumental variables, limited dependent variables and causality models are analyzed. The accompanying exercise serves the following purposes: students get an introduction to the econometric program Stata and learn how to apply it in practice. The exercise is supplemented by presentations of innovative empirical studies applying the presented methods.

4. **Competences**

On the one hand, this module aims at providing knowledge of the fundamental econometric models developed for typical problems associated with microeconomic datasets (individuals, households, firms). Students will gain an understanding of the basic problems associated with different datasets and variables and will be confronted with solutions in representative research papers. On the other hand, students learn how to apply these methods in practice. Participants acquire the necessary skills to conduct their own empirical studies e.g. for seminar presentations or master thesis.

5. **Examinations**

Written and graded exam covering the entire module (90 minutes).

6. **Type of Examinations**

- Covering the entire module
- Relating to individual courses

7. **Requirements**

None- However basic knowledge of empirical economics is advantageous.

8. **Status of the Module**

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus

9. **Module Coordinator**

Prof. Dr. Kornelius Kraft

**Responsible Department**

Wirtschaftswissenschaften
Structure of the module

<table>
<thead>
<tr>
<th>No.</th>
<th>Courses</th>
<th>Type</th>
<th>Credit Points</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New Product Management</td>
<td>L+E</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

Language of instruction

English

Content of the module

This course deals with the management of the development and introduction of new technology-driven products in both well-established companies as well as start-ups. Therefore, it builds on the new products process consisting of the following five phases: (1) opportunity identification and selection, (2) concept generation, (3) concept evaluation, (4) product development and (5) product launch. For each phase the course derives theoretically the key success factors of a state-of-the-art new product management and elaborates on up-to-date practical examples of mature companies and new ventures.

Competences

Students are enabled to understand the complex tasks that emerge during the entire development process of technology-driven products. Based on that they are capable of solving problems connected to these challenges in successfully and purposeful applying the particular methods. Additionally, the course fosters an outcome-oriented problem solving approach with guidelines regarding results and time.

Examinations

Oral exam (counts for 60 % of the grading) in combination with the preparation and presentation of a case (counts for 40 % of the grading).

Type of Examination

- Covering the entire module
- Relating to individual courses

Requirements

- Due to limited case studies the course is restricted to 30 students and application is mandatory.

Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik.

Module Coordinator

Prof. Dr. Tessa Flatten

Responsible department

Wirtschaftswissenschaften
### Structure of the Module

<table>
<thead>
<tr>
<th>No.</th>
<th>Courses</th>
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<th>Credits</th>
<th>Points</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Organization of Innovation</td>
<td>S</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Applying different approaches to organizing innovation</td>
<td>E</td>
<td>3,5</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

### Language of instruction

English

### Contents of the Course

Fostering innovation is the goal of many governments as well as organizations in today’s knowledge economies. The seminar will introduce and critically discuss organizational models for innovation and provide deeper insights into the main characteristics of innovation. The latest research results will identify the main antecedents of successful innovations and the role of institutional entrepreneurs in the process of innovation. The tutorial will provide the space for practical application of the approaches to organizing innovation via the simulation game.

### Competences

This seminar and tutorial will inform students about the latest approaches of organizing innovation internationally. Students will critically reflect on the key findings of studies of innovation and will carry out a research project of their own on particular innovation. Simulation game will provide practical skills for organization of innovation.

### Examinations

Module examination, consisting of a graded presentation, seminar paper, and active participation (attendance is obligatory).

### Type of Examinations

- ✔ Covering the entire module
- ❌ Relating to individual courses

### Requirements

- none-

### Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik and offer to participants of Entrepreneurship School.

### Module Coordinator

Prof. Dr. Liudvika Leisyte

### Responsible department

Wirtschaftswissenschaften
Business A: Accounting & Finance  
Module: Finance I

M.Sc. Program: „Wirtschaftswissenschaften“

<table>
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<tr>
<td>1</td>
<td>Quantitative Finance</td>
<td>L+E</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

2 Language of instruction

English

3 Content of the module

The course provides the basic concepts of classical as well as modern approaches in financial theory and its implication to the private sector. The module covers a broad range of highly quantitative topics with a strong application in international financial markets. The theoretical frameworks assess the most recent research findings for pricing, network analysis and financial engineering.

4 Competences

Students learn to discuss and derive theoretical models while promoting innovative and critical thinking. The theoretical framework provided is applied on empirical datasets during the tutorial sessions. The interpretation of empirical results in the light of current academic findings is a key aspect of the tutorials. Controversial findings within the literature are evaluated. The practical sessions are conducted using the industry’s programming language (currently python).

5 Examinations

Written and graded exam covering the entire module (90 minutes) or graded presentation based on written case study's expose. The mode of the exam will be assigned at the beginning of the course.

6 Type of Examinations

- Covering the entire module
- Relating to individual courses

7 Requirements

- none- Recommended: Knowledge in the programming language used (eg. Python) proven eg. by successful examination of Finance III (Financial Econometrics). Due to limited PC-capacities you need to register for this course.

8 Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik.

9 Module Coordinator

Prof. Dr. Peter N. Posch

Responsible department

Wirtschaftswissenschaften
## Structure of the module

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<td>1</td>
<td>Strategic Technology and Innovation Management</td>
<td>L+E</td>
<td>7.5</td>
<td>4</td>
</tr>
</tbody>
</table>

## Language of instruction

English

## Content of the module

This class introduces the evolutionary patterns of technologies/innovations and connects these to technological developments. Those patterns are linked to several concepts like the product life cycle or diffusion models. Moreover, the relevance of customer needs regarding new product development is discussed. In order to enable companies to implement efficient processes to handle technologies and innovations this class as well focuses on the design of organizational structures and culture. Additionally, specific problems like organizational ambidexterity or standardization are covered. Furthermore, recent research topics form international journals will be presented within this class.

## Competences

On the one hand this class deepens the students understanding regarding the application of technologies. Students learn how they can support company’s strategic management by improving the technology management capabilities. Moreover, students are enabled to understand recent research results, assess the impact of those studies and apply the results to their practical work. As an addition the students are trained to develop their skills regarding the development of own research ideas.

## Examinations

Written and graded exam covering the entire module (90 minutes) or choice between written and graded exam covering the entire module (90 minutes) and Case Studies (40%) + written and graded exam (60 minutes, 60%) (mode will be announced in time).

## Type of Examination

- [x] Covering the entire module
- [ ] Relating to individual courses
- [ ]

## Requirements

- none -

## Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik.

## Module Coordinator

Prof. Dr. Tessa Flatten

## Responsible department

Wirtschaftswissenschaften
## Structure of the module

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<tbody>
<tr>
<td>1</td>
<td>Strategy and Technology Case Studies</td>
<td>S</td>
<td>7.5</td>
<td>4</td>
</tr>
</tbody>
</table>

## Language of instruction

- English

## Content of the module

Managers in technology oriented ventures must make decisions with limited information to cope with the challenges of their dynamic environment. Therefore, they need to evaluate alternatives, make choices, and find solutions to deal with strategic challenges. In this seminar, students will take on the perspective of a decision-maker by analyzing and discussing complex management challenges illustrated in several case studies from various companies.

## Competences

This seminar enables students to understand the real-world challenges in the area of technology and strategic management and apply their knowledge from previous classes. Methods for structuring and analyzing complex case studies are taught. Moreover, students are required to work effectively as well as under high time pressure in a team setting. After completing this class they are able to discuss strategic alternatives critically, develop solutions to complex business problems and defend their recommendations.

## Examinations

- Graded written paper and oral presentations.

## Type of Examination

- ✔️ Covering the entire module
- ❏ Relating to individual courses

## Requirements

- None
- Favorably previous participation in the courses „New Product Management“ and „Strategic Technology and Innovation Management“

## Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik and Statistik.

## Module Coordinator

- Prof. Dr. Tessa Flatten

## Responsible department

- Wirtschaftswissenschaften
Module: Urbane, regionale und internationale Wirtschaftsbeziehungen II
(Urban, regional and international economics)

M.Sc. Programme: „Wirtschaftswissenschaften“

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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Topics in Spatial Economics</td>
<td>S</td>
<td>7,5</td>
<td>4</td>
</tr>
</tbody>
</table>

2 Language of instruction

Deutsch / Englisch

3 Content of the module

In this seminar we are going to analyse in great depth various aspects of Spatial Economics in order to obtain a better understanding of locational distributions of individuals, households, firms, capital and goods and services as well as their economic impact. Students can largely decide which particular topic they find most interesting. However, it is essential that topics are analyses using state of the art scientific literature as well as empirical analysis ideally using regressions. Potential areas of interest could be:
- Does the internet render physical proximity unnecessary?
- Agglomeration of households in hip neighbourhoods and the impact on housing prices
- Social media's impact on economic activity and international linkages
- Anything topical which students find of interest

4 Competences

Students will conduct literature as well as data analysis in order to carefully analyse their chosen topic. Based on this we will assess the costs and benefits of spatial economics on the analysed strand of the economy - be it digitisation or urban sprawl, for example - and ultimately think of the implications for policy makers.

5 Examinations

Module examination, consisting of a graded written paper, an oral presentation and active participation (attendance is obligatory).

6 Type of Examinations

☒ Covering the entire module
☐ Relating to individual courses

7 Requirements

-none-
Recommended: Knowledge in mathematics, statistics and econometrics on a bachelor level.

8 Status of the Module

Elective Module in the M.Sc. programmes Wirtschaftswissenschaften, Raumplanung, WiWi für ein Lehramt am Berufskolleg (Modellversuch), Wirtschaftsmathematik, Wirtschaftsingenieurwesen, Logistik, Mathematik, Statistik and Economics und Journalismus.

9 Module Coordinator

Prof. Dr. Christiane Hellmanzik

Responsible Department

Wirtschaftswissenschaften