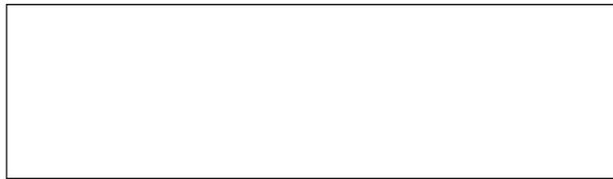




LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN



**Module Handbook**  
**Bachelor's Degree Programme:**  
**Economics (Bachelor of Science, B.Sc.)**

**(180 ECTS-Credits)**

**Based on Examination and Study Regulation (2013) from 13. August 2014,  
amended on 21. September 2017**

**82/175/---/H0/H/2013**

**Status: 18. January 2018**

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## Abbreviations and Explanations

|      |  |
|------|--|
| CP   | Credit Points, ECTS-Credits                      |
| ECTS | European Credit Transfer and Accumulation System |
| h    | Hours  |
| SoSe | Summer Semester                                  |
| SWS  | Weekly Semester Hours                            |
| WiSe | Winter Semester                                  |
| WP   | Elective Compulsory Module                       |
| P    | Compulsory Module                                |

1. The modules and their corresponding ECTS-Credits are to be understood as follows: ECTS-Credits with no brackets indicate ECTS-Credits granted upon passing a module examination or partial examination. ECTS-Credits placed within brackets serve a purely calculative function.
2. Frames of time which are referenced during a period of study are either in accordance with the valid programme and examination regulations or they are simply recommendations. This is indicated by the terms "official semester" and "recommended semester" which are used in the module handbook.
3. Please note: the module handbook serves as a point of reference during studies. For binding rules and regulations please rely solely on the valid programme and examination regulations. Please view your area of study under: [www.lmu.de/studienangebot](http://www.lmu.de/studienangebot)

### Disclaimer

The Module Handbook is provided in English solely for convenience. The full German version of the Module Handbook remains authoritative.

## Module: P 1 Intermediate Microeconomics (Mikroökonomie)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                          | Cycle | Attendance   | Self Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | CM 1.1 Intermediate Microeconomics (lecture) | WiSe  | 60 h (4 SWS) | 120 h      | (6)  |
| Tutorial        | P 1.2 Intermediate Microeconomics (tutorial) | WiSe  | 60 h (4 SWS) | 30 h       | (3)  |

A total of 9 ECTS-Credits need to be acquired in this module. Contact hours account for 8 semester hours (SWS). Including self-study, there is a time investment of approx. 270 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** Economics as a minor with 60 ECTS-Credits for Bachelor's studies; Bachelor's Degree Programme: Business Mathematics

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** First semester

**Duration** The module runs the course of one Semester.

**Contents**

1. Introduction
2. A simple market model
3. Rational consumer behaviour
4. Utility maximisation
5. Demand
6. Consumer surplus and production
7. Costs
8. Demand and perfect competition
9. Balance and perfect competition
10. External effects and public goods
11. Monopoly and price discrimination
12. Game theory
13. Oligopoly theory
14. Moral hazard und adverse selection

**Qualification Objectives** This module deals with important and basic parts of microeconomics. The intention is to introduce the fundamentals of the subject, to offer an overview and thereby awaken interest in pivotal economic questions.

Microeconomics is particularly concerned with analysing the economic behaviour of budgets and corporations as well as in describing the functionality of markets (and other institutions) in which budgets and corporations interact.

Over the course of further study, students will be in a position to access topics in economics and apply basic theories them.

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| <b>Form of Examination</b>                      | Written exam   |
| <b>Assessment</b>                               | The module is graded.  |
| <b>Requirement for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the assigned examination for the module (or rather the appropriate compulsory and or elective compulsory partial examination)  |
| <b>Module Coordinator</b>                       | Klaus Schmidt  |
| <b>Teaching Language</b>                        | German   |
| <b>Additional Information</b>                   | <p>Text Books:</p> <p>Varian, Hal: Intermediate Microeconomics: A Modern Approach, 7. Auflage, New York: W.W. Norton</p> <p>Frank, Robert: Microeconomics and Behavior, 7. Auflage, New York: McGraw-Hill</p> <p>The purchase of one of the above text books is recommended. It is strongly recommended to use an English language text book for the following reasons: 1)the English language text books (at least in this area) are better didactically and in content compared to German literature 2) scientific literature is published almost entirely in English. You will have to regularly read texts in English at the latest in the third semester. The sooner you become accustomed to this the better.</p> <p>Additionally, an established script, which is updated every semester, is used in this module.</p> |

## Module: P 2 Intermediate Macroeconomics (Makroökonomie)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                          | Cycle         | Attendance   | Self Study | ECTS |
|-----------------|--|---------------|--------------|------------|------|
| Lecture         | P 2.1 Intermediate Macroeconomics (lecture)  | WiSe and SoSe | 60 h (4 SWS) | 120 h      | (6)  |
| Tutorial        | P 2.2 Intermediate Macroeconomics (tutorial) | WiSe and SoSe | 60 h (4 SWS) | 30 h       | (3)  |

A total of 9 ECTS-Credits need to be acquired in this module. Contact hours account for 8 semester hours (SWS). Including self-study, there is a time investment of approx. 270 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** Economics as a minor with 60 ECTS-Credits for Bachelor's studies.

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified During Period of Study** Recommended semester: first

**Duration** The module runs the course of one Semester.

**Contents** This module is an introduction to macroeconomics and demonstrates how it can be applied to economic-political questions. The course considers the short term interplay between goods markets and financial markets, the consequences of economic variability, as well as the determinants of long term economic growth.

1. Foundations of macroeconomic analysis (chapter 1-2)
2. Short term macroeconomic analysis (chapter 3-5)
3. Balance in foreign trade (chapter 18-20)
4. Medium term macroeconomic analysis (chapter 6-9)
5. Macroeconomic analysis of financial system crisis (chapter 22)

**Qualification Objectives** Macroeconomics addresses the fundamental problems of the political economy which are discussed on a daily basis in the newspaper. It is of importance to come to understand the overall economic context and which factors to mind.

Students will be in the position through out their continued studies, to evaluate and understand the economic themes

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|   | being looked at and their relationship to the fundamental macroeconomic theories.   |
| <b>Form of Examination</b>                      | Written exam  |
| <b>Assessment</b>                               | The module is graded.   |
| <b>Requirement for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.   |
| <b>Module Coordinator</b>                       | Uwe Sunde   |
| <b>Teaching Language</b>                        | German  |
| <b>Additional Information</b>                   | Textbook:<br><br>Makroökonomie, von Olivier Blanchard und Gerhard Illing, 5. aktualisierte Auflage, Pearson Studium, ISBN 3-8273-7209-7 |

## Module: P 3 Cross Sectional Competences (Querschnittskompetenzen)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)       | Cycle               | Attendance   | Self Study | ECTS |
|-----------------|---------------------------|---------------------|--------------|------------|------|
| Lecture         | P 3.1 Topics in Economics | WiSe                | 30 h (2 SWS) | 60 h       | (3)  |
| Seminar         | P 3.2 Core Skills         | WiSe<br>and<br>SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

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| <b>Module Type</b>                                     | Compulsory module with a required course.   |
| <b>Applicability of Module to Other Areas of Study</b> | Economics as a minor with 60 ECTS-Credits for Bachelor's studies.   |
| <b>Rules for Elective Compulsory Module</b>            | None  |
| <b>Participation Requirements</b>                      | None  |
| <b>Specified Time During Period of Study</b>           | Recommended semester: first   |
| <b>Duration</b>  | The module runs the course of one Semester.   |
| <b>Contents</b>  | <p>This module provides an overview of a series of many of the current topics and questions in modern economics and brings coherency to them as a whole.</p> <p>Additionally, field specific capabilities and competencies are taught which are fundamental to scientific work; for example structuring a dissertation, citation rules and presenting. Furthermore, capabilities and competencies are expounded on which are fundamental to diverse professional fields, i.e. self-management and interpersonal skills.</p> |
| <b>Qualification Objectives</b>                        | <p>Students learn to classify economic issues based on content and method and develop an understanding for their relevancy.</p> <p>Beyond that, students are able to independently create and present scientific work as well as successfully apply their professional knowledge to a career in a goal oriented manner.</p>   |

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| <b>Form of Examination</b>                      | Written exam  |
| <b>Assessment</b>                               | The module is graded.   |
| <b>Requirement for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                       | Dean  |
| <b>Teaching Language</b>                        | German and English  |
| <b>Additional Information</b>                   |   |

## Module: P 4 Statistics I: Descriptive Statistics (Statistik I: Deskriptive Statistik)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)   | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | P 4.1 Statistics 1 for Students of Economics: Descriptive Statistics (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 4.2 Statistics 1 for Students of Economics: Descriptive Statistics (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

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| <b>Module Type</b>                                     | Compulsory module with a required course.   |
| <b>Applicability of Module to Other Areas of Study</b> | Imported as a module from the Faculty of Mathematics, Computer Science, and Statistics.   |
| <b>Rules for Elective Compulsory Module</b>            | None  |
| <b>Participation Requirements</b>                      | None  |
| <b>Specified Time During Period of Study</b>           | Recommended semester: first   |
| <b>Duration</b>  | The module runs the course of one semester.   |
| <b>Contents</b>  | This module introduces the fundamental methods of statistics. It begins with the description of univariate data and clarifies measures of central tendency, range of dispersion and coefficient of concentration. Thereafter the techniques and indexes of association analysis and correlation analysis are discussed. In conclusion there is an introduction to probability calculus. |
| <b>Qualification Objectives</b>                        | Students should be in a position to adequately apply the fundamental methods of descriptive statistics and correctly interpret findings obtained. In the process, a critical understanding should be developed of the ability and limits of the statistical method being applied.   |
| <b>Form of Examination</b>                             | Written exam  |
| <b>Assessment</b>                                      | The module is graded.   |

**Requirement for Granting of ECTS-Credits**

ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**

Dean

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**Teaching Language**

German

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**Additional Information**

## Module: P 5 Microeconomics 2 (Mikroökonomie 2)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)               | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|-----------------------------------|-------|--------------|------------|------|
| Lecture         | P 5.1 Microeconomics 2 (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 5.2 Microeconomics 2 (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: second

**Duration** The module runs the course of one semester.

**Contents** The subject matter of this module is advanced topics and theories in microeconomics, which are relevant in comprehending the special topics in microeconomics in the elective compulsory modules, intensive seminars and the Bachelor's thesis.

1. Decision under uncertainty
2. Moral hazard
3. Adverse selection

**Qualification Objectives** Students should be able to recognise and systematically apply the appropriate approach and theories to other microeconomic courses during their study period.

**Form of Examination** Written exam

**Assessment** The module is graded.

**Requirement for Granting of ECTS-Credits** ECTS-Credits are granted upon passing the final exam for the course/module.

**Module Coordinator** Klaus Schmidt

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**Teaching Language** German

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**Additional Information**

Text books:

\*\*Mas-Colell, A., Whinston, M. und J. Green. Microeconomic Theory, Oxford: Oxford University Press, 1995.

\*\*Gravelle, H. and R. Rees, Microeconomics, London: Prentice Hall, 3.Auflage, 2004.

\*\*Kreps, D., A Course in Microeconomic Theory, New York: Harvester Wheatsheaf, 1990.

\*Jehle, Geoffrey A.; and Philip J. Reny (2000). Advanced Microeconomic Theory. Addison Wesley, 2nd Edition.

\*Varian, H.R., Intermediate Microeconomics, New York: Norton, 5.Auflage, 1999.

Dutta, Prajit K., Strategies and Games: Theory and Practice, Cambridge (Mass.): MIT Press, 1999.

Milgrom, P. and J. Roberts, Economics, Organisation and Management, London: Prentice Hall, 1992.

## Module: P 6 Macroeconomics 2

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)               | Cycle | Attendance   | Self Study | ECTS |
|-----------------|-----------------------------------|-------|--------------|------------|------|
| Lecture         | P 6.1 Macroeconomics 2 (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 6.2 Macroeconomics 2 (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: second

**Duration** The module runs the course of one semester.

**Contents** This module is a continuation of macroeconomic subject matter and its theories which are relevant in understanding the macroeconomics specialty topics in the elective compulsory modules, the intensive seminars and the bachelor's thesis.

1. Neoclassical Growth Model (Solow-Model)
2. Ramsey-Model
3. ISLM-Model
4. Real Business Cycle model
5. New Keynesian Model

**Qualification Objectives** Students should be able to recognise and systematically apply the appropriate approach and theories to other macroeconomic courses during their period of study.

**Form of Examination** Written exam

**Assessment** The module is graded.

**Requirement for Granting of** ECTS-Credits are granted upon passing the final exam for

**ECTS-Credits** the course/module.

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**Module Coordinator** Uwe Sunde

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**Teaching Language as of SoSe  
2018** English

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**Additional Information**

## Module: P 7 Mathematical Methods in Economics (Mathematische Methoden der Volkswirtschaftslehre)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                                | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | P 7.1 Mathematical Methods in Economics (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 7.2 Mathematical Methods in Economics (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: second

**Duration** The module runs the course of one semester.

**Contents**

1. Maximisation without conditions
2. Maximisation with conditions
3. Comparative statics
4. Theory of consumer demand
5. Optimal control theory

**Qualification Objectives** The objective of this course is to introduce economics students to the mathematical and economic methods that are used regularly during their studies.

**Form of Examination** Written exam

**Assessment** The module is graded.

**Requirement for Granting of ECTS-Credits** ECTS-Credits are granted upon passing the final exam for the course/module.

**Module Coordinator** Klaus Schmidt

**Teaching Language** German

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**Additional Information**

Text books:

\*\*Hoy, M., Livernois, J., McKenna, C., Rees, R und Thanasis, S.: Mathematics for Economics, Don Mills, Ontario: Addison-Wesley, 1996

\*\*McKenna, C.J. und Rees, R.: Economics: A Mathematical Introduction, Oxford: Oxford University Press, 1992

\*Gravelle, H. und Rees, R.: Microeconomics, London: Longman, 1992

MasColell, W., Green, J. und Whinston, M.: Microeconomic Theory, Oxford: Oxford University Press, 1995

Dixit, A. Optimization in Economic Theory, Oxford: Oxford University Press, 1990 (2.Aulage)

Binmore, K.: Calculus, Cambridge: Cambridge University Press, 1983

Chiang, A.: Fundamental Methods of Mathematical Economics, New York: McGraw Hill, 1984

## Module: P 8 Statistics II: Inductive Statistics (Statistik II: Induktive Statistik)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)   | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | P 8.1 Statistics 2 for Students of Economics: Inductive Statistics (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 8.2 Statistics 2 for Students of Economics: Inductive Statistics (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

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| <b>Module Type</b>                                     | Compulsory module with a required course.  |
| <b>Applicability of Module to Other Areas of Study</b> | Imported as a module from the Faculty of Mathematics, Computer Science, and Statistics.  |
| <b>Rules for Elective Compulsory Module</b>            | None   |
| <b>Participation Requirements</b>                      | None   |
| <b>Specified Time During Period of Study</b>           | Recommended semester: second   |
| <b>Duration</b>  | The module runs the course of one semester.  |
| <b>Contents</b>  | This module covers the fundamentals of probability calculation and inductive statistics. It begins with a continuation of the introduction to probability calculation. The various concepts of probability including independent and conditional probability, random variables, distribution function, expected value and variance will be discussed. Then a look will be taken at simple forms of central limits theorem. In the area of inductive statistics, the fundamental methods and procedures of point estimate and interval estimate will be explained, as well as hypothesis testing. |
| <b>Qualification Objectives</b>                        | The student should be in the position to adequately apply the fundamental methods of probability calculation and inductive statistics as well as to correctly interpret the results. A critical understanding of the effectiveness and the limits of the applied statistical method should therewithin evolve.   |

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| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: WP 1 Principles of Management for Students of Economics (Grundlagen des Managements für Studierende der Volkswirtschaftslehre)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)  | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 1.1 Principles of Management for Students of Economics (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 1.2 Principles of Management for Students of Economics (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: second

**Duration** The module runs the course of one semester.

**Contents** The framework of this module provides an overview of the central questions concerning corporate management. Foremost and in addition to the basic principles and theories specific to business administration, the following subareas will be spoken about: company management, organisation and

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personnel management.

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| <b>Qualification Objectives</b>                  | Students should acquire fundamental knowledge about the main branches of company management. In doing so they should come to understand the interconnectivity between those areas. It is particularly important that students learn to look critically at the content, to apply their knowledge to concrete questions from corporate practice cases and to prepare recommendations for action. |
| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German   |
| <b>Additional Information</b>                    |  |

## Module: WP 2 Business Management and Marketing (Unternehmensführung und Marketing)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                                | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lectures        | WP 2.1 Business Management and Marketing (lecture) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 2.2 Company Leadership and Marketing (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules with a total of 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: second

**Duration** The module runs the course of one semester.

**Contents** The module Company Leadership and Marketing looks at the basic theories, the approach and the methods of marketing.

**Qualification Objectives** Through combined market and resource orientation, as an integrated understanding of marketing, students develop a deep insight into the management of companies and other organisations. As a result of this, students will have the ability through out their studies to permeate advanced questions

and topics.

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**Form of Examination**

Written exam

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**Assessment**

The module is graded.

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**Requirements for Granting of ECTS-Credits**

ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**

Dean

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**Teaching Language**

German

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**Additional Information**

## Module: P 9 Econometrics (Empirische Ökonomie)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)           | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|-------------------------------|-------|--------------|------------|------|
| Lecture         | P 9.1 Econometrics (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 9.2 Econometrics (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** Economics as a minor with 60 ECTS-Credits for Bachelor's studies; Mathematical Economics Bachelor's Degree Programme; Physics Bachelor's Degree Programme.

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: third

**Duration** The module runs the course of one semester.

**Contents** This course introduces the basic methods of econometrics, especially the link between statistical estimation procedures and economic theory.

Econometric methods allow the predictions of theoretical models of economics and business administration to be empirically tested. Also, they allow for statistically sound forecasts of economic decisions by individuals, households and firms.

After a brief review of the fundamentals of statistical analysis, the linear regression model is introduced. First, the case of one explanatory variable is discussed. The extension of the model to the case of multiple explanatory variables follows. After discussing the basics of the linear regression model, its practical application, and possible problems occurring in practice, the analysis of data from experiments, models for discrete dependent variables (logit and probit models) as well as models for time series data will be discussed.

1. Introduction
2. Statistical fundamentals

3. The linear regression model with one regressor
4. The linear regression model with multiple regressors
5. Non-linear relationships
6. Experiments und "natural" experiments
7. Binary dependent variables
8. Time series and forecast models
9. Summary and Outlook

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| <b>Qualification Objectives</b>                  | Students will be able to empirically test the predictions of theoretical models of economics and business administration using econometric methods and to create statistically sound forecasts of economic decisions of individuals, households and companies. |
| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Joachim Winter   |
| <b>Teaching Language</b>                         | Deutsch  |
| <b>Additional Information</b>                    |  |

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## Module: P 10 Econometrics 2

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)              | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|----------------------------------|-------|--------------|------------|------|
| Lecture         | P 10.1 Econometrics 2(lecture)   | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 10.2 Econometrics 2 (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** Physics Bachelor's Degree Programme

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: third

**Duration** The module runs the course of one semester.

**Contents** The module Advanced Econometrics builds on the module Econometrics. The emphasis is on specification problems and extensions of the multiple regression model which are relevant to practical empirical work.

The statistics and econometric software „Stata“ is used for PC exercises.

1. The multiple regression model
2. Specification problems: inconsistency of the OLS estimator
3. Instrumental variable estimation
4. Discrete and limited dependent variables
5. Regression model for panel data
6. Introduction to time-series analysis

**Qualification Objectives** Students will be able to apply the fundamental methods of modern micro- and time-series econometrics independently in empirical research on economic issues.

**Form of Examination** Written exam

**Assessment** The module is graded.

**Requirements for Granting of ECTS-Credits**

ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**

Joachim Winter

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**Teaching Language as of WS 18/19**

English

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**Additional Information**

Text books:

\* J.M. Wooldridge (2008): "Introductory Econometrics: A Modern Approach", Thomson Southwestern, 4th Edition.

\* J.H. Stock &amp; M.W. Watson (2007): "Introduction to Econometrics", Pearson International, 2nd Edition.

## Module: P 11 Public Economics I (Finanzwissenschaft I)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                                     | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | P 11.1 Public policy and resource allocation (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 11.2 Public policy and resource allocation (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

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| <b>Module Type</b>                                     | Compulsory module with a required course.   |
| <b>Applicability of Module to Other Areas of Study</b> | Economics as a subsidiary study for Bachelor's studies with 60 ECTS-Credits.  |
| <b>Rules for Elective Compulsory Module</b>            | None  |
| <b>Participation Requirement</b>                       | None  |
| <b>Specified Time During Study</b>                     | Recommended semester: third   |
| <b>Duration</b>  | The module runs the course of one semester.   |
| <b>Contents</b>  | <p>This module provides an overview of the reasons for market failure and the possibility to correct it through state policy.</p> <ol style="list-style-type: none"> <li>1. The state in the economy</li> <li>2. Welfare theory</li> <li>3. Market power and regulation</li> <li>4. Externalities</li> <li>5. Public goods</li> <li>6. Political economy</li> </ol> |
| <b>Qualification Objectives</b>                        | Students will be in the position to understand the fundamental allocation problems of modern economics and the reasons for government intervention.   |
| <b>Form of Examination</b>                             | Written exam  |
| <b>Module Type</b>                                     | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b>       | ECTS-Credits are granted upon passing the final exam for the course/module.   |
| <b>Module Coordinator</b>                              | Andreas Haufler   |

Teaching Language as of  
WS18/19

English

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**Additional Information**

Text books:

Corneo, G. (2007): Öffentliche Finanzen: Ausgabenpolitik, Tübingen, Mohr.

Hindriks, J., G. Myles (2006): Intermediate Public Economics, Cambridge, MIT Press.

Wellisch, D. (1999): Finanzwissenschaft I – Rechtfertigung der Staatstätigkeit, Vahlen, München.

## Module: WP 3 Investment and Finance (Investition und Finanzierung)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                      | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 3.1 Investment and Finance (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 3.2 Investment and Finance (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6 ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18 ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: third

**Duration** The module runs the course of one semester.

**Contents** This module deals with the fundamental problems of corporate finance. Here the fundamental methods of investment calculation and planning will be introduced as well as the most important instrument and decision alternatives of corporate financing.

The contents of the lecture will be taken up and expanded upon during the tutorial session through application and concrete tasks. In particular, examples and case studies for solving investment and financing decisions will be worked on

and fundamental aspects of corporate financing will be dealt with.

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**Qualification Objectives**

The aim of the course is to convey to students fundamental knowledge in the area of investment and financing theory. Students should acquire the skill of evaluating the methods of investment and the financing of projects. Furthermore they should develop an understanding for diverse financial instruments, the capital market and come to understand company financial management.

The objective of the course is to convey solid foundational theory based knowledge and provide an introduction to investment and finance planning methodology. Students should be in the position to apply this acquired knowledge, to deal with concrete tasks and evaluate investment and financial decisions.

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**Form of Examination**

Written exam

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**Assessment**

The module is graded.

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**Requirements for Granting of ECTS-Credits**

ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**

Dean

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**Teaching Language**

German

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**Additional Information**

## Module: WP 4 Organizational Theory (Organisationstheorie)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                     | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | WP 4.1 Organizational Theory (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 4.2 Organizational Theory (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: third

**Duration** The module runs the course of one semester.

**Contents** The lecture provides insight into the basic terminology and concepts of organisational theory, the behaviour in organisations and the organisation of the production as well as value-added process. Because companies are continually being confronted with countless challenges and a rapidly changing environment, it is the aim of this module to provide students with a broad understanding of the elementary parameters and instruments of present effective organization management.

In doing so, the following issues among others will be ad-

dressed: How can the interaction with external stakeholders such as competitors, customers, investors, authorities and society as a whole be optimised? What changes are necessary to achieve sustainable competitive advantages? How can managers deal with coordination problems within and between organisations? What types of company culture should be promoted to strengthen the organisations capacity for innovation?

The accompanying tutorial course to production and organisation takes up the contents of the lecture and deepens it by working through and openly discussing real world case studies.

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| <b>Qualification Objectives</b>                  | <p>Upon course completion students have a broad understanding of key terminology and concepts of organisational theory, the behaviour in organisations and the organisation of production and value-added processes. The course solidifies the ability to apply expertise to concrete business problems as well as in creating scientifically substantiated solutions.</p> <p>The discussion of case studies during weekly tutorial sessions reinforces the ability of working in groups and conversing about specialised topics.</p> |
| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.   |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: WP 5 Business Informatics (Wirtschaftsinformatik)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                    | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 5.1 Business Informatics (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 5.2 Business Informatics (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Study** Recommended semester: third

**Duration** The module runs the course of one semester.

**Contents** Business informatics deals with the planning, development and economical application of information and communications systems which are essential for business operation and company management. Parallel to the Business Informatics basic lecture there are lecture hall exercises and tutorials on the basics of modeling and programming in a business context.

**Qualification Objectives** The goal is to provide students with basic knowledge with regard to relevant technologies (i.e. internet, data bank systems), important application systems (i.e. Supply-Chain-Management-Systems) as well as on the topic of information

management (i.e. IT-strategies, profitability analysis or outsourcing-decisions)

Students should be in the position to transpose the underlying knowledge attained from the lecture into simple technical solutions.

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| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: P 12 Public Economics II (Finanzwissenschaft II)

**Correlation to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                              | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | P 12.1 Taxation and the welfare state (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | P 12.2 Taxation and the welfare state (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fourth

**Duration** The module runs the course of one semester.

**Contents** This module provides an overview of the national budget and concentrates on the roll of direct and indirect taxes. Following a description of tax types and tax tariffs, the course analyses the allocative and incidence effects of taxes under different market structures.

#### I. Public revenue policy: Taxes

1. Introduction
2. Fundamentals of taxation
3. Tax incidence
4. Excess burden of taxation
5. Household taxation
6. Company taxation

#### II. Public revenue policy: Government debt

1. Introduction
2. Normative and positive analysis of public debt

**Qualification Objectives** Students should gain insight into the structure of the public sector and tax systems while becoming familiar with argu-

ments for alternative forms of taxation.

Beyond that students learn to apply economic theory in order to accurately assess and analyse different forms of taxation.

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| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.   |
| <b>Module Coordinator</b>                        | Andreas Haufler   |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    | <p>Text books:</p> <p>Homburg, S. (2010): Allgemeine Steuerlehre, 6. A., München, Vahlen</p> <p>Keuschnigg, C. (2005): Öffentliche Finanzen: Einnahmenpolitik, Tübingen, Mohr</p> <p>Wellisch, D. (2000): Finanzwissenschaft II: Theorie der Besteuerung, München, Vahlen</p> |

## Module: P 13 Foundations of Economics Research I (Grundlagen wissenschaftlicher Profilbildung I)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)       | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|---------------------------|---------------|--------------|------------|------|
| Seminar         | P 13.1 Advanced Seminar 1 | WiSe and SoSe | 60 h (4 SWS) | 300 h      | (12) |

A total of 12 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 360 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: Fourth

**Duration** The module runs the course of one semester.

**Contents** In this module students acquire extended knowledge in a special field of economics. Students are introduced to working in a scientific manner and are prepared for the Bachelor's thesis.

**Qualification Objectives** Students acquire expertise in a special field of economics and learn to independently apply subject specific scientific standard methods.

**Form of Examination** Written assignment and presentation

**Assessment** The module is graded.

**Requirements for Granting of ECTS-Credits** ECTS-Credits are granted upon passing the final exam for the course/module.

**Module Coordinator** Dean

**Teaching Language** German and English

## **Additional Information**

## Module: WP 6 Economic Theory I (Wirtschaftstheorie I)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                 | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|-------------------------------------|---------------|--------------|------------|------|
| Lecture         | WP 6.1 Economic Theory 1 (lecture)  | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 6.2 Economic Theory 1 (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended Semester: fourth

**Duration** The module runs the course of one semester.

**Contents** In this module select modern economic theory models will be developed and set forth which will be used to explain concrete economic phenomena.

**Qualification Objectives** Students will be in the position to understand fundamental modules of modern economic theory and to independently use them to solve economic problems.

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| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook. |

## Module: WP 7 Economic Development (Wirtschaftliche Entwicklung)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                    | Cycle         | Attendance   | Seld-Study | ECTS |
|-----------------|--|---------------|--------------|------------|------|
| Lecture         | WP 7.1 Economic Development (lecture)  | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 7.2 Economic Development (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

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| <b>Type of Module</b>                                  | Elective compulsory module with required course.  |
| <b>Applicability of Module to Other Areas of Study</b> | Imported as a module from the Faculty of Business Administration.   |
| <b>Rules for Elective Compulsory Module</b>            | This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken. |
| <b>Participation requirements</b>                      | None  |
| <b>Specified Time during Period of Study</b>           | Recommended semester: fourth  |
| <b>Duration</b>  | The module runs the course of one semester.   |
| <b>Contents</b>  | This module is an introduction to the questions and analysis methods of long term development. Determinants of economic development, based on diverse historical themes but also current issues like growth and distribution theory or the analysis of economic history, will be worked out and critically discussed.   |

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| <b>Qualification Objectives</b>                  | Students will be in the position to apply and critically evaluate fundamental questions posed by micro and macroeconomic analysis.             |
| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook. |

## Module: WP 8 Strategy and Digitization

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)             | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---------------------------------|-------|--------------|------------|------|
| Lecture         | WP 8.1 Competition and Strategy | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Lecture         | WP 8.2 Digitale Unternehmung    | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fourth

**Duration** The module runs the course of one semester.

**Contents** The module „Strategy and Digitilisation“ conveys knowledge of competitive strategy and sheds light on the typical challenges which companies are confronted with in modern digital markets. Topics will be looked at such as industrial cycle theories, strategic interaction between companies, network effects, open innovation, online-marketing and networks of value-added structures.

The purpose of the course is to provide students with an understanding of current relevant interdisciplinary concepts as well as the underlying theories of company management.

**Qualification Objectives**                      The goal is to provide students with a solid methodical and theoretical foundation of competitive behaviour and digital companies. All while applying theoretical concepts to practical management scenarios thereby preparing students for a professional career in management or management consulting. This module completes the business basic instruction of administration in the area of competitive strategy and business informatics.

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**Form of Examination**                              Written exam

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**Assessment**    The module is graded.

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**Requirements for Granting of ECTS-Credits**                      ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**                              Dean

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**Teaching Language**                              English

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**Additional Information**

## Module: WP 9 Leadership and International Management

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)             | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---------------------------------|-------|--------------|------------|------|
| Lecture         | WP 9.1 People and Organization  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Lecture         | WP 9.2 International Management | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fourth

**Duration** The module runs the course of one semester.

**Contents** This module provides students with an overview of the central questions concerning international management and focuses on the human aspect of organisations. In particular, the cultural conditions with in the context of multinational companies and their respective competitive environment are taken into account to give transparency to relevant motivational and leadership theories. This knowledge is used in negotiations and decision making as well as other areas. It contributes to developing a HRM perspective of employees as strategic human capital.

**Qualification Objectives** In this module students should develop an understanding of the most important theories in international management, organisational behaviour and the development of personnel management as well as be able to critically examine and apply this understanding in a multinational context.

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**Form of Examination** Written exam

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**Assessment** The module is graded.

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**Requirements for Granting of ECTS-Credits** ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator** Dean

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**Teaching Language** English

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**Additional Information**

## Module: WP 10 Introduction to Informatics: Systems und Appli- cations (Einführung in die Informatik: Systeme und Anwendun- gen)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)  | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 10.1 Lecture Introduction to Informatics: Systems und Appli-<br>cations         | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 10.2 Tutorial for Introduc-<br>tion to Informatics: Systems und<br>Applications | SoSe  | 45 h (3 SWS) | 45 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 5 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Type of Module** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculties of Math, Informatics and or Statistics.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fourth

**Duration** The module runs the course of one semester.

**Content** In this module there will be a general introduction to the basic functions of a calculator. Above and beyond that the following topics will be addressed: the core concepts of operating systems, databases and information systems (architecture of data, relational data model, query language SQL,

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etc.), computer networks and data-mining methods.

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| <b>Qualification Objectives</b>                  | The objective is the comprehension of basic problems and approaches to solving these problems in the areas of: computer networks, operating systems, database systems and data mining. |
| <b>Form of Examination</b>                       | Written or oral exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German   |
| <b>Additional Information</b>                    |  |

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## Module: WP 11 Basic Course Trade and Corporate Law (Grundlagen des Handels- und Gesellschaftsrechts)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                                     | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | WP 11.1 Basic Course Trade and Corporate Law (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 11.2 Basic Course Trade and Corporate Law (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Type of Module** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Law.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6 ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18 ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fourth

**Duration** The module runs the course of one semester.

**Contents** This module introduces merchant laws and basic company structures (in particular, GbR, oHG, KG, GmbH, Ag and mixed forms).

**Qualification Objectives** The objective is to acquire a good understanding of the development, organisation and establishment of a company.

**Form of Examination** Written exam

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| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: WP 12 Public Economic Law (Öffentliches Wirtschaftsrecht)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                    | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 12.1 Public Economic Law (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 12.2 Public Economic Law (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Law.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fourth

**Duration** The module runs the course of one semester.

**Contents** An introduction to the individual fields and individual problems of public economic law will be presented with an emphasis on planning, environment and permits as governed by European law.

Furthermore, environmental and nature conservation law as a legal restriction on the use of space and resources will be conveyed in the contents of this module. Lastly, plant permit laws will be presented with specific regard to construction

and immissions laws will be presented.

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| <b>Qualification Objectives</b>                  | The goal is to impart knowledge about regulations on public locations in Germany. The aforementioned laws are of major importance for the set up, expansion and operations of companies as well as construction and alteration of infrastructure. |
| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.   |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: P 14 Foundations of Economics Research II (Grundlagen wissenschaftlicher Profilbildung II)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)       | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|---------------------------|---------------|--------------|------------|------|
| Seminar         | P 14.1 Advanced Seminar 2 | WiSe and SoSe | 60 h (4 SWS) | 300 h      | (12) |

A total of 12 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 360 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** In this module a deeper knowledge in a specific field of economics is acquired. Students are introduced to scientific work and prepared for the Bachelor's thesis.

**Qualification Objectives** Students acquire expertise in a specialised area of economics and learn to autonomously apply standard economic scientific methods.

**Form of Examination** Written assignment and presentation

**Assessment** The module is graded.

**Requirements for Granting of ECTS-Credits** ECTS-Credits are granted upon passing the final exam for the course/module.

**Module Coordinator** Dean

**Teaching Language** German and English

### Additional Information

## Module: WP 13 Accounting and Finance

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)          | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|------------------------------|-------|--------------|------------|------|
| Lecture         | WP 13.1 Unternehmensrechnung | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Lecture         | WP 13.2 Risk Management      | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits needs to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** The module „Accounting and Finance“ is concerned with the (primarily quantitative) analysis of assets, financial position and profit situation as well as the risk situation of companies. This module addresses questions of strategic, operative, financial and risk management as well as the (partially regulated) depiction of the interrelationships in accounting.

**Qualification Objectives** Upon completion of the module „Accounting and Finance“ students will be prepared to evaluate business models as well as company performance and perspectives and to work out solutions to financial and structural company problems. As various target groups have different informational needs re-

garding the assessment of corporate development, there will be a focus on the role of information with regard to the relationship between company and environment.

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| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | English   |
| <b>Additional Information</b>                    |   |

## Module: WP 14 Empirical Economic Research I (Empirische Wirtschaftsforschung I)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                              | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|--|---------------|--------------|------------|------|
| Lecture         | WP 14.1 Empirical Economic Research 1 (lecture)  | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 14.2 Empirical Economic Research 1 (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** The module deals with the application of statistical and econometric methods to specific economic questions. The focus is on the combination of theoretical, model-based analysis of economic relationships with appropriate methods of empirical economic research.

**Qualification Objectives** The students will learn which data are required for the empirical analysis of a theoretically motivated question and

how the appropriate statistical and econometric methods are selected. In addition, they should be able to interpret and critically discuss their results.

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| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook. |

## Module: WP 15 Macroeconomics and International Economics (Makroökonomik und internationale Ökonomik)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)   | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|---|---------------|--------------|------------|------|
| Lecture         | WP 15.1 Macroeconomics and International Economics (lecture)  | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 15.2 Macroeconomics and International Economics (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** This module delves into the central problems and current research fields of economics and international economy by focusing specific examples.

**Qualification Objectives** Students will be in the position to expand upon and apply the previously learned methods of macroeconomics and advanced macroeconomics.

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| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook. |

## Module: WP 16 Applied Public Economics (Wirtschaftliches Handeln des Staates)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                         | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|---|---------------|--------------|------------|------|
| Lecture         | WP 16.1 Applied Public Economics (lecture)  | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 16.2 Applied Public Economics (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6 ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18 ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** This module delves into welfare economic analyses and political economic analyses of government activity within the economy. The analysis of governmental decision making processes will be applied to various areas of policy and critically discussed.

**Qualification Objectives** Students will be in the position to apply theoretical and empirical economic methods to government decision making

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processes.

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| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook. |

## Module: WP 17 Introduction to Informatics: Programming and Software Development (Einführung in die Programmierung)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)  | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 17.1 Introduction to Informatics: Programming and Software Development (lecture)  | WiSe  | 60 h (4 SWS) | 120 h      | (6)  |
| Tutorial        | WP 17.2 Introduction to Informatics: Programming and Software Development (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 9 ECTS-Credits need to be acquired in this module. Contact hours account for 6 semester hours (SWS). Including self-study, there is a time investment of approx. 270 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Mathematics, Computer Science and Statistics.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** This module concentrates on the following: the basic concepts of programmes and their implementation, object oriented programming and concurrent programming by means of a higher programming language, an introduction to the object oriented draft program, syntax of programming languages, regular expressions and finite automata, specification, test and validation of programmes, fundamental data

structures and algorithms.

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| <b>Qualification Objectives</b>                  | An understanding should be attained for the development of algorithms, specification and programming in an object oriented programming language. |
| <b>Form of Examination</b>                       | Written or oral exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German   |
| <b>Additional Information</b>                    |  |

## Module: WP 18 Introduction to the Political System of Germany (Einführung in das Politische System Deutschlands)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                     | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | WP 18.1 The Political System of Germany | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 18.2 Basic Course Political System   | WiSe  | 45 h (3 SWS) | 135 h      | (6)  |

A total of 9 ECTS-Credits need to be acquired in this module. Contact hours account for 5 semester hours (SWS). Including self-study, there is a time investment of approx. 270 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Social Sciences.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6 ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18 ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended Semester: fifth

**Duration** The module runs the course of one semester.

**Contents** This module deals with Germany's political system, in particular the foundations of constitutional law, the political institutions and its players, the political process, function of the state, policy areas and policy issues.

**Qualification Objectives** The objective is to describe, explain and evaluate polity, politics and policy in the Federal Republic of Germany from a political science perspective.

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| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: WP 19 Basic Course Civil Law (Grundlagen des Bürgerlichen Rechts)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                       | Turnus | Präsenzzeit  | Selbststudium | ECTS |
|-----------------|---|--------|--------------|---------------|------|
| Lecture         | WP 19.1 Basic Course Civil Law (lecture)  | WiSe   | 30 h (2 SWS) | 60 h          | (3)  |
| Tutorial        | WP 19.2 Basic Course Civil Law (tutorial) | WiSe   | 30 h (2 SWS) | 60 h          | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Law.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** This module deals with the general part of the German Civil Code (Bürgerlichen Gesetzbuch, BGB), obligation law, consumer law, laws concerning general terms and conditions (AGB-Recht), product liability as well as property law.

**Qualification Objectives** The goal is to acquire well founded basic knowledge of civil law, particularly contract law and contract infringement law.

**Form of Examination** Written exam

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|--|---|
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: WP 20 European Cartel Law (Europäisches Kartellrecht)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                    | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 20.1 European Cartel Law (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 20.2 European Cartel Law (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Law.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6 ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18 ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** The primary and secondary norms of European antitrust law are presented in this module. Studies of decisions made by community courts and the EC Commission as well as interpretive declarations made by the commission about specific elements of European antitrust law will be alternately reflected upon along with abstract considerations of the economic implications of European antitrust law in light of economic measures taken.

**Qualification Objectives**

The goal is to impart knowledge on the implications of public law on locations in Germany.

The aforementioned laws are of major importance for the set up, expansion and operation of companies as well as construction and alteration of infrastructure.

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**Form of Examination**

Written exam

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**Assessment**

The module is graded.

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**Requirements for Granting of ECTS-Credits**

ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**

Dean

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**Teaching Language**

German

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**Additional Information**

## Module: WP 21 Economy and Society of Japan I (Wirtschaft und Gesellschaft Japans I)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                                     | Cycle | Attendance   | Self_Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | WP 21.1 Introduction to the Economy of Japan (lecture)  | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 21.2 Introduction to the Economy of Japan (tutorial) | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6 ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18 ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** Japan remains one of the worlds most powerful and dynamic economies. The process of Japans core industries catching up and acelerating forward within such an unusually short frame of time, has allowed the Japanese economy to progress from being a once quasi developing country to one of the leading industrial nations.

As a result of the bursting of the speculative bubble, Japan as a nation experienced the longest recession of the post-war period. The "lost decade" replaced the image of Japan as "Japan is number 1". Until recently Japan was seen as a stagger-

ing giant rather than a dynamic economy. However Japan's economy is making a great recovery.

Being provided with a fresh perspective based on the structural characteristics and newest developments in the Japanese economy, students are able to develop an awareness and an understanding of the current possibilities and challenges that it is being confronted with.

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### Qualification Objectives

Upon completion of this module students:

- will have acquired a broad fact based knowledge of Japan's economic practices and institutions
- will have delved into Japan's integration into the world economy
- will have understood the structural qualities of the Japanese economy, its inherent problems and current plans for reform.

Other conveyed and practiced competencies:

- Planning and organisation
- Critical thinking
- Social and cultural sensibility
- Time management
- Creative problem solving techniques

Motivation, course methodology and learning outcome:

The lecture imparts core information and concepts which, along with the suggested reading, provides students with a basic knowledge of the economy and society in Japan.

Students should be able to deal in depth with specific topics and ideas in Japan's economy and express their personalised viewpoints.

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### Form of Examination

Written exam

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### Assessment

The module is graded.

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### Requirements for Granting of ECTS-Credits

ECTS-Credits are granted upon passing the final exam for the course/module.

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### Module Coordinator

Dean

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### Teaching Language

English

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### Additional Information

## Module: WP 22 Foundations of Business Psychology (Grundlagen der Wirtschaftspsychologie)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)   | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | WP 22.1 The Fundamental Concepts of Psychology 1                    | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Lecture         | WP 22.2 The Fundamentals of Business- and Organisational Psychology | WiSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty for Psychology and Education Sciences.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended Semester: fifth

**Duration** The module runs the course of one semester.

**Contents** This module gives general insight into the contents, topics, theoretical explanations, procedures and methods of psychology with special emphasis on business and organisational psychology.

Psychology is concerned with the experiences and behaviour of people, i.e. with the behavioural systems of the brain. The lecture "Fundamentals of Psychology I" conveys the most important general-psychological as well as basic bio-

logical aspects of human-functioning

The lecture “The Fundamentals of Business and-Organisational Psychology” presents an overview of scope and function, principle activity and vital content, concepts and methods from research and practice in the areas of work and organisational psychology as well as market and consumer psychology and economic psychology.

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**Qualification Objectives**

Students have an understanding of which processes and structures are involved in human action control, how biological determinants, perception and attention, memory, learning, motivation and emotions collaborate together in controlling actions and how all of these findings can be applied as solutions to individual and societal problems.

Students are familiar with the fields of activity and the tasks of business and organisational psychologists; they have knowledge and a basic understanding of common theories and models from occupational and organisational psychology, market and consumer psychology as well as economic psychology.

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**Form of Examination**

Written exam

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**Assessment**

The module is graded.

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**Requirements for Granting of ECTS-Credits**

ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**

Dean

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**Teaching Language**

German

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**Additional Information**

## Module: WP 23 Analysis of Social Structures (Sozialstrukturanalyse)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                              | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 23.1 Analysis of Social Structures (lecture)  | WiSe  | 30 h (2 SWS) | 90 h       | (4)  |
| Tutorial        | WP 23.2 Analysis of Social Structures (tutorial) | WiSe  | 30 h (2 SWS) | 30 h       | (2)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Social Sciences.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** This module examines the framework of the social organisation of modern society in Germany among other places. The links between social structure, individual life circumstances and societal subsystems will be looked at from the perspective of historical evolution and current development.

**Qualification Objectives** Students learn the fundamental concepts and models of social structure analysis. They understand the core dimensions of modern society's institutional framework and its transfor-

mations.

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**Form of Examination**

Written exam

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**Assessment**

The module is graded.

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**Requirements for Granting of ECTS-Credits**

ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**

Dean

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**Teaching Language**

German

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**Additional Information**

## Module: WP 24 Statistics III (Statistik III)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)   | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | WP 24.1 Statistics 3 for Subsidiary Studies: Introduction to statistical modelling (lecture)  | WiSe  | 45 h (3 SWS) | 75 h       | (4)  |
| Tutorial        | WP 24.2 Statistics 3 for Subsidiary Studies: Introduction to statistical modelling (tutorial) | WiSe  | 30 h (2 SWS) | 30 h       | (2)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 5 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculties of Math, Informatics and or Statistics.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: fifth

**Duration** The module runs the course of one semester.

**Contents** The introductory statistics courses lay the foundation for this module which deepens and expands knowledge of stochastics, statistical inference as well as the methods and applications of regression models. In particular, multidimensional random variables, likelihood based inference models and generalized regression models will be dealt with.

**Qualification Objectives** This module leads to a deeper understanding of stochastics and statistical inference which serves as a prerequisite to

advanced statistic courses and to an independent handling of regression problems.

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**Form of Examination**                      Written exam

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**Assessment**                                      The module is graded.

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**Requirements for Granting of ECTS-Credits**                      ECTS-Credits are granted upon passing the final exam for the course/module.

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**Module Coordinator**                      Dean

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**Teaching Language**                      German

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**Additional Information**

## Module: P 15 Bachelor Thesis and Colloquium (Abschlussmodul)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method   | Course (Compulsory)               | Cycle         | Attendance   | Self-Study | ECTS |
|-------------------|-----------------------------------|---------------|--------------|------------|------|
| Bachelor's Thesis | P 15.1 Bachelor's Thesis          | WiSe and SoSe | -            | 360 h      | (12) |
| Colloquium        | P 15.2 Bachelor Thesis Colloquium | WiSe and SoSe | 30 h (2 SWS) | 150 h      | (6)  |

A total of 18 ECTS-Credits need to be acquired in this module. Contact hours account for 2 semester hours (SWS). Including self-study, there is a time investment of approx. 540 hours.

**Module Type** Compulsory module with a required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** None

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** In this module students demonstrate their ability to present scientific work in the form of a Bachelor's thesis. The colloquium provides a platform for the scientific exchange of information as well as the opportunity to acquire key qualifications.

**Qualification Objectives** Students are able to thoroughly investigate a specialised topic for their Bachelors thesis, to independently apply the subjects scientific methods, as well as relate and interconnect contents from course study modules.

**Form of Examination**

**Assessment** The module is graded.

**Requirements for Granting of ECTS-Credits** ECTS-Credits are granted upon passing the assigned examination for the module (or rather the appropriate compulsory and or elective compulsory partial examination).

**Module Coordinator**

Dean

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**Teaching Language**

German

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**Additional Information**

## Module: WP 25 Economic Theory II (Wirtschaftstheorie II)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                  | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|--------------------------------------|---------------|--------------|------------|------|
| Lecture         | WP 25.1 Economic Theory 2 (lecture)  | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 25.2 Economic Theory 2 (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Dauer** The module runs the course of one semester.

**Contents** In this module, selected modern economic theory models are discussed and expanded upon in order to provide an explanation for specific economic phenomena.

**Qualifications Objectives** Students are in a position to understand the most fundamental models of modern economic theory and to use them autonomously to solve economic problems.

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| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the assigned examination for the module (or rather the appropriate compulsory and or elective compulsory partial examination). |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook.                       |

## Module: WP 26 Quantitative Economics (Quantitative Ökonomik)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                       | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|---|---------------|--------------|------------|------|
| Lecture         | WP 26.1 Quantitative Economics (lectures) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 26.2 Quantitative Economics (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** The module introduces modern econometric estimation methods for micro- and macroeconometric applications. The focus is on the foundations of these estimation methods in mathematical statistics.

**Qualification Objectives** The students become familiar with the statistical properties of econometric estimators, are able to reproduce the relevant evidence and to critically discuss the validity of the assump-

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tions required for this in empirical applications.

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| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook. |

## Module: WP 27 Empirical Economic Research II (Empirische Wirtschaftsforschung II)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                               | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|---|---------------|--------------|------------|------|
| Lecture         | WP 27.1 Empirical Economic Research II (lecture)  | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 27.2 Empirical Economic Research II (tutorial) | WiSe and SoSe | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** None

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** This module deals with the application of statistical and econometric methods to specific economic issues. The emphasis lies on relating the theoretical, model-based analysis of economic relationships to appropriate methods of empirical economic research.

**Qualification Objectives** Students learn which data are essential to deal with a theoretically motivated empirical question as well as how appro-

priate statistical and econometric methods are chosen. In addition, students should be able to interpret and critically discuss their findings.

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| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German and English   |
| <b>Additional Information</b>                    | Further information for elective compulsory modules WP 6, WP7, WP14 to 16 and WP 25 to 27 can be found in the appendix of the module handbook. |

## Module: WP 28 Statistics IV (Statistik IV)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)   | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|---|-------|--------------|------------|------|
| Lecture         | WP 28.1 Statistics 4 for Minor Subject Studies: Advanced Statistical Modelling (lecture)  | SoSe  | 45 h (3 SWS) | 75 h       | (4)  |
| Tutorial        | WP 28.2 Statistics 4 for Minor Subject Studies: Advanced Statistical Modelling (tutorial) | SoSe  | 30 h (2 SWS) | 30 h       | (2)  |

A total of 6 ECTS-Credits needs to be acquired in this module. Contact hours account for 5 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculties of Math, Informatics and or Statistics.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** This module provides an overview of various advanced, above all multivariate procedures. A generalization of linear regression will be spoken about including generalized linear models, multivariate regression and duration models. Further focal points include discriminant analysis and cluster analysis.

**Qualification Objectives** Students acquire a good overview of advanced techniques.

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|--|---|
| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |
| <b>Additional Information</b>                    |   |

## Module: WP 29 Economy and Society of Japan II (Wirtschaft und Gesellschaft Japans II)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                   | Cycle         | Attendance   | Self-Study | ECTS |
|-----------------|---------------------------------------|---------------|--------------|------------|------|
| Seminar         | WP 29.1 Economy of Japan (Seminar)    | WiSe and SoSe | 15 h (1 SWS) | 75 h       | (3)  |
| Proseminar      | WP 29.2 Economy of Japan (Proseminar) | WiSe and SoSe | 15 h (1 SWS) | 75 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 2 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** This module provides students the possibility to take an in-depth look at specific issues within the Japanese economy. All the basic areas of its economy will be covered; however the special focus of the two seminars in this module lies on the special characteristics of Japanese companies and on specific current developments in Japan.

In the seminars students become familiar with the contents and concepts of the particular topics of focus. Additionally

they will be introduced to relevant literature and an overview of primary and secondary data sources is provided.

Equipped with this basic knowledge, students critically and independently work on an assigned topic. Their results will be presented in the form of a presentation and a written paper.

Because this module focuses sharply on individual themes in the Japanese economy, it compliments the module "Introduction to the Economy in Japan" (WP21), however it can be taken as a stand alone seminar.

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### Qualification Objectives

Upon completion of this module students:

- will have acquired an in depth fact based knowledge of the special characteristics and practices of business and industry in Japan;
- will have learned through a comparative approach to decipher important similarities and differences between Japanese companies and those of other economies;
- will have understood how to apply topic relevant theories and concepts as the basis for dealing with research questions.

Other conveyed and practiced competencies:

- Critical thinking
- Time management
- Planning, Organisation and time management
- Creative problem solving

Motivation, course methodology and learning outcome:

The student presentations during this seminar provide the opportunity to improve their communication and presentation skills. Working in groups enables students to learn with others and critically assess their own performance and the performance of others. Composing a written paper allows students to independently research a topic and apply the theoretical and empirical knowledge they have acquired in this module. At the end of the seminar students receive feedback on their written and oral performance.

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### Form of Examination

Written assignment and presentation.

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### Art der Bewertung

The module is graded.

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### Requirements for Granting of ECTS-Credits

ECTS-Credits are granted upon passing the final exam for the course/module.

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### Module Coordinator

Dean

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### Teaching Language

English

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### Additional Information

## Module: WP 30 Economy and Society of Japan III (Wirtschaft und Gesellschaft Japans III)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                                | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Seminar         | WP 30.1 Society and Politics of Japan (Seminar)    | SoSe  | 15 h (1 SWS) | 75 h       | (3)  |
| Proseminar      | WP 30.2 Society and Politics of Japan (Proseminar) | SoSe  | 15 h (1 SWS) | 75 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 2 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Business Administration.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** This module is an introduction to society and politics in Japan. Significant interrelationships and characteristics of society and politics will be introduced and analysed within the context of dynamism and change. The seminar provides the opportunity to analyse Japans politics and society in a general context. Relevant to the theme "Social Change", social themes like education and up bringing will be introduced as well as family, the forging of identity, political institutions, development of democracy as well as respective social science approaches. Questions will be developed which will

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provide exemplary in depth research material.

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| <b>Qualification Objectives</b>                  | The learning objective of this module is to acquire fundamental expert knowledge as well as the ability to analyse and take a problem-oriented approach to society in Japan. Furthermore, the acquisition of basic knowledge and a basic understanding of relevant issues in Japans society and politics. |
| <b>Form of Examination</b>                       | Written assignment and presentation.  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.   |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | English   |
| <b>Additional Information</b>                    |   |

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## Module: WP 31 Advanced Business Psychology (Vertiefung der Wirtschaftspsychologie)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)                                      | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|--|-------|--------------|------------|------|
| Lecture         | WP 31.1 Specialisation: Work and Organisation Psychology | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Lecture         | WP 31.2 Specialisation: Market and Consumer Psychology   | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty for Psychology and Education Sciences.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules totaling 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** In this specialisation module the pertinent content and findings of scientific research are outlined in the areas of work and organisation psychology as well as market and consumer psychology. In addition specific, relevant and applicable scientific theories, methods and research findings are conveyed along with tried and tested instruments and procedures.

The lecture „Specialisation in Work and Organisation Psychology“ deals primarily with work conditions, personnel

psychology, organisation diagnosis and development as well as behaviour in organisations (leadership, motivation, groups and inter-group process).

The lecture "Specialisation in Market and Consumer Psychology" deals primarily with market communication, market research and consumer behaviour.

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| <b>Qualification Objectives</b>                  | <p>Students have knowledge and a basic understanding of pertinent theories and models from work and organisational psychology as well as market and consumer psychology.</p> <p>Students are familiar with respective methods and findings of scientific research (field studies, evaluations, experiments) in the areas of business and organisations; students have the ability to theoretically and empirically diagnose and explain the behaviour of persons in work groups, organisations and other business contexts based on psychological theories and findings.</p> |
| <b>Form of Examination</b>                       | Written exam   |
| <b>Assessment</b>                                | The module is graded.  |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module.  |
| <b>Module Coordinator</b>                        | Dean   |
| <b>Teaching Language</b>                         | German   |
| <b>Additional Information</b>                    |  |

## Module: WP 32 Labour Law (Arbeitsrecht)

**Correlates to:** Bachelor's Degree Programme: Economics (Bachelor of Science, B.Sc.)

### Module Parts

| Teaching Method | Course (Compulsory)           | Cycle | Attendance   | Self-Study | ECTS |
|-----------------|-------------------------------|-------|--------------|------------|------|
| Lecture         | WP 32.1 Labour Law (lecture)  | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |
| Tutorial        | WP 32.2 Labour Law (tutorial) | SoSe  | 30 h (2 SWS) | 60 h       | (3)  |

A total of 6 ECTS-Credits need to be acquired in this module. Contact hours account for 4 semester hours (SWS). Including self-study, there is a time investment of approx. 180 hours.

**Module Type** Elective compulsory module with required course.

**Applicability of Module to Other Areas of Study** Imported as a module from the Faculty of Law.

**Rules for Elective Compulsory Module** This module can be selected considering the following: from the elective compulsory modules WP1 to WP32 a total of 60 ECTS-Credits are to be chosen. Of those modules, one of them must be WP1 or WP2; from the modules WP3 to WP5 at least two modules must be selected; from the module WP6, WP7, WP14 to WP16 and WP25 to WP27 at least four modules must be selected. In the second semester elective compulsory modules totaling 6ECTS-Credits must be taken, in the third, fourth and sixth semester elective compulsory modules which total 12 ECTS and in the fifth semester elective compulsory modules totaling 18ECTS-Credits need to be taken.

**Participation Requirements** None

**Specified Time During Period of Study** Recommended semester: sixth

**Duration** The module runs the course of one semester.

**Contents** The basics of individual and collective labour laws are introduced in this module. The focus is on establishing, conducting and terminating a contractual relationship. Apart from the relevant regulatory framework of individual labour relations between the employer and the employee, the rights and obligations of collective bodies (above all the works council and collective bargaining parties) will be dealt with.

**Qualification Objectives** Students acquire the ability to confidently deal with the most important rights and obligations of workers, employers and collective organs, as well as implement them in practice oriented cases. Because of students heightened sense of problem-awareness, they will have the ability to constructively

apply labour law to their own later professional lives whether as an employee or as an employer.

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| <b>Form of Examination</b>                       | Written exam  |
| <b>Assessment</b>                                | The module is graded.   |
| <b>Requirements for Granting of ECTS-Credits</b> | ECTS-Credits are granted upon passing the final exam for the course/module. |
| <b>Module Coordinator</b>                        | Dean  |
| <b>Teaching Language</b>                         | German  |

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**Additional Information**