

University of Bonn
Faculty of Law and Economics
Department of Economics

Course Catalogue

Bachelor of Science

Volkswirtschaftslehre (Economics)



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Summer Semester 2023

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1 B.Sc. Volkswirtschaftslehre (Economics):

1.1 Aims of the Program

The six-semester undergraduate single-subject bachelor's program in economics has a research-oriented focus with a quantitative emphasis and reflects the focus of the Department of Economics on economics in teaching and research.

The Bachelor program Volkswirtschaftslehre (Economics) provides students with the knowledge and skills necessary for professional activities in the field of economics. Students learn to identify and analyze economic issues and problems, to assess them critically, and to develop solutions. The program also provides students with the methodological tools to perform advanced academic studies.

The program can be started in either the winter or summer semester. It is recommended to start the program in the winter semester in order to be able to continue with the Master's program.

1.2 Structure of the Program and Workload:

The program includes both an in-depth study of a variety of topics in Economics and of selected topics in Business Administration. It is a very quantitative study program that acquaints students with a variety of mathematical and statistical methods.

The study program consists of three different types of courses:

- compulsory modules (Pflichtmodule) which acquaint students with the systematic study of fundamental economic issues,
- elective modules in Economics (fachgebundene Wahlpflichtmodule) which offer advanced study of selected topics, and
- elective modules from other study areas (freie Wahlpflichtmodule) which allow for an individual specialization; also the possibility of doing an internship to gain work experience.

During the first four semesters, students acquire 105 ECTS credit points in 14 compulsory modules covering all fundamental economic areas including Microeconomics, Macroeconomics and Business Administration as well as Mathematics, Statistics and Econometrics.

In addition, within the first four semesters students also need to acquire 15 ECTS credit points from elective modules from other study programs such as e.g. Arts and Archaeology, Asian Studies, Computer Science, Foreign Languages, Geography, History, Law, Mathematics, Meteorology, Philology, Philosophy, Physics, Politics and Society, Psychology, Romance Studies, Theology.

In the fifth and sixth semester, students acquire 45 ECTS credit points from 6 elective modules in Economics which allow for an individual focus on selected topics.

To complete the program, students write a Bachelor thesis for which they acquire 12 ECTS credit points and they pass an appendant colloquium with 3 ECTS credit points.

1.3 Course Plan - Study Start Winter:

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 Department of Economics


Course Plan

Bachelor Program Volkswirtschaftslehre (Economics)

 study start winter semester
 (valid from winter semester 2019/20)

B.Sc. Volkswirtschaftslehre (Economics)				
2 weeks voluntary precourse mathematics				
1. Semester (WiSe)	Principles of Economics	Principles of Business Administration: Introduction to the Theory of Firm	Mathematical Methods for Economists A	Introduction to Statistics A
	7,5 CP	7,5 CP	7,5 CP	7,5 CP
2. Semester (SoSe)	Intermediate Microeconomics A	Principles of Business Administration: Finance and Investments	Mathematical Methods for Economists B	Introduction to Statistics B
	7,5 CP	7,5 CP	7,5 CP	7,5 CP
3. Semester (WiSe)	Intermediate Microeconomics B	Intermediate Macroeconomics A	Econometrics	Open Electives*
	7,5 CP	7,5 CP	7,5 CP	
4. Semester (SoSe)	Financial Markets and Institutions	Intermediate Macroeconomics B	Academic Research and Writing	
	7,5 CP	7,5 CP	7,5 CP	15 CP
5. Semester (WiSe)	Elective Modules	Elective Modules	Elective Modules	Elective Modules
	7,5 CP	7,5 CP	7,5 CP	7,5 CP
6. Semester (SoSe)	Elective Modules	Elective Modules	Bachelor Thesis/Colloquium	
	7,5 CP	7,5 CP	15 CP	
180 CP				
Compulsory Modules		Elective Modules	Open Electives	

*Open elective modules are from other study programs and can contribute a different number of credit points than modules in economics. To achieve the required 15 CP, 2 to 3 modules must be chosen.

Module list open electives: <https://www.econ.uni-bonn.de/de/studium/vwl/studienverlauf>

Stand: 01.10.2022

1.4 Course Plan – Study Start Summer:

 University of Bonn
 Department of Economics

Course Plan Bachelor Program Volkswirtschaftslehre (Economics)

 study start summer semester
 (valid from summer semester 2020)

B.Sc. Volkswirtschaftslehre (Economics)				
2 weeks voluntary precourse mathematics				
1. Semester (SoSe)	Principles of Economics	Principles of Business Administration: Finance and Investments	Mathematical Methods for Economists A	Financial Markets and Institutions
	7,5 CP	7,5 CP	7,5 CP	7,5 CP
2. Semester (WiSe)	Intermediate Macroeconomics A	Principles of Business Administration: Introduction to the Theory of Firm	Introduction to Statistics A	Open Electives*
	7,5 CP	7,5 CP	7,5 CP	
3. Semester (SoSe)	Intermediate Macroeconomics B	Intermediate Microeconomics A	Mathematical Methods for Economists B	Introduction to Statistics B
	7,5 CP	7,5 CP	7,5 CP	7,5 CP
4. Semester (WiSe)	Academic Research and Writing	Intermediate Microeconomics B	Econometrics	Open Electives*
	7,5 CP	7,5 CP	7,5 CP	
5. Semester (SoSe)	Elective Modules	Elective Modules	Elective Modules	Elective Modules
	7,5 CP	7,5 CP	7,5 CP	7,5 CP
6. Semester (WiSe)	Elective Modules	Elective Modules	Bachelor Thesis/Colloquium	
	7,5 CP	7,5 CP	15 CP	
180 CP				
Compulsory Modules		Elective Modules		Open Electives

*Open elective modules are from other study programs and can contribute a different number of credit points than modules in economics. To achieve the required 15 CP with open electives, 2 or 3 modules must be chosen depending on the CP of each module.

Module list open electives: <https://www.econ.uni-bonn.de/de/studium/vwl/studienverlauf>

Stand: 01.10.2022

2 Study Advice

2.1 Course Registration

In principle, there is no compulsory registration for the courses on the bachelor's degree program in economics. Students are free to attend all lectures and tutorials.

An exception is the seminar on the module "Academic Research and Writing". In order to ensure individual and targeted help with writing a term paper and preparing and presenting papers, this module is conducted in groups of limited participants, each with a different thematic focus. For this purpose it is necessary to register for the course via the portal "[BASIS](#)", which must be done within the deadlines. The deadlines are announced on the website of the [Economics Examination Office](#).

There is also an obligation to register for a large part of the open elective modules. The register deadlines can be found in the [electronic course catalogue](#).

The electronic course catalogue provides each semester information about time, lecture hall, registration deadlines for all courses. The module description gives an overview about qualification aims, content, exam forms, credit points and workload.

2.2 Exams

Final examinations for a module are usually offered once a year in the semester in which the course took place. Exceptions are the modules "Fundamentals of Economics" and "Mathematical Methods of Economics". These module examinations take place every semester. There are two examination periods per semester. For each module examination there is one date per examination phase. Usually, the first examination phase starts shortly after the end of the lecture period of the semester. The second is scheduled at the end of the semester, i.e. mid to late September (summer semester) or April (winter semester). Students are free to choose between these two examination dates. Registration and withdrawal deadlines apply to both examination phases and are announced on the website of the [Economics Examination Office](#).

2.3 E-Learning and eCampus

On the [eCampus learning platform](#), lecturers provide supporting materials as well as helpful eLearning offers for successful self studies. The material can be accessed independently of time and place.

To log in to eCampus, you need your university user ID (Uni-ID) and password. You will receive both after enrollment together with your semester documents. After logging on to eCampus, you will be taken to an overview of courses. To join a course, you can select the "Magazine Entry Page" in the menu at the top of the website under the "Magazine" tab and navigate to your course of study and current semester. Courses are usually created and available for registration on eCampus no later than the first week of the new semester. Some courses require a password to join. If such a password is required, it will usually be announced by the respective lecturer in the first course.

Further information about the study program, application requirements and deadlines please, etc. visit our websites [Econ Uni Bonn](#).

Study Advisors

Bachelor Program

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4 Module Descriptions

Academic Research and Writing				 UNIVERSITÄT BONN	
BA VWL PF WISSARB					
Content and learning outcome					
Content	General guidelines and techniques for the preparation of a presentation as well as a seminar paper or thesis will be taught. This includes literature research(2 SWS seminar of the ULB), formal requirements of a presentation and a written paper (such as structure, scope, outline,timing, citation, bibliography).The theoretical knowledge is practiced on practical examples based on economic topics. The participants create their own presentationas well as a seminar paper in the form of a term paper or essays.				
Learning outcome	After completing the seminar, students will be able to use basic methods and contents of economics to solve a practical problem, to question and evaluate the results and to present and discuss them in front of the group of participants.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Seminar	Academic Research and Writing	German or English	Max. 18	2	30-60
Selfwork	Preparation of the presentation; preparation of the term paper or essays				165-195
Teamwork	The presentation can also be planned as teamwork				165-196
Prerequisites					
obligatory	none				
recommended	It is recommended to take the seminar at a later point in the degree programme (not before the 4th semester), as economic research papers are discussed and presented in the seminar, which require at least basic knowledge of microeconomics, macroeconomics, business administration and quantitative methods, depending on the focus of the topic.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110050 / 333010050				Obligatory	4 th
Wirtschaftswissenschaften (Zwei-Fach) / 333181050 / 333010050				Elective	2 nd - 6 th
Export* /333191050 / 333010050					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Presentation (graded, 40%), term paper or essays (graded, 60%)., The examination language is the same as the language of instruction (German or English); The presentation takes place in the second half of the semester. The homework must be handed in either before the presentation or 5 weeks after the end of the lecture period. The examiner determines the deadline.				
Course Cycle			Workload	Duration	
Winter term	Winter and Summer term	x	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				

Institute/Department	Department of Economics
Further Information	
Literature	<p>Due to the limited number of participants, an allocation procedure is carried out via BASIS. The registration deadlines are usually towards the end of the lecture-free period for the following semester. The exact registration periods can be found in BASIS or on the website of the examination office.</p> <p>Literature will be announced at the beginning of the lecture.</p>

** export into other study programs is only possible if contract between faculties exists*

Econometrics BA VWL PF ÖKON					
Content and learning outcome					
Content	The module deals with the linear regression model, its application and verification, and its extensions.				
Learning outcome	The students acquire theoretical and practical foundations of econometrics. They develop a thorough understanding of the properties of the linear regression model and the OLS estimator, as well as the underlying assumptions. They learn the application of test theory in the context of the linear model and can identify problem in the specification of regression models and interpretation of estimation results. Students are familiar with advanced methods (panel data, instrumental variables). They are familiar with the basics of using econometric software.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Econometrics	German	430	4	60
Tutorial	Tutorials on Econometrics	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended	Contents of Mathematical Methods for Economics A, Mathematical Methods for Economics B, Introduction to Statistics A and Introduction to Statistics B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333110015 / 333010015			Obligatory	3 rd or 4 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333181015 / 333010015			Elective	3 rd or 5 th	
Export* /333191015 / 333010015					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature: Stock, James H. and Watson, Mark W.: Introduction to Econometrics, 3rd ed., Prentice Hall, 2011				

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Financial Markets and Institutions

BA VWL PF FINANZM



Content and learning outcome

Content

The module provides insights into the inner workings of financial markets and institutions. For this purpose, the different players in the financial system are presented, placing emphasis on banks. Furthermore, different forms of corporate financing are examined, in particular the difference between debt and equity financing. In addition, the risks that can arise in financial markets are highlighted, as the global financial crisis from 2007 to 2009 made clear. Finally, the question is how regulation can help manage these risks. An integral portion of the course is dedicated to understanding current developments.

Learning outcome

The students will be familiar with the key players in the financial system and will be able to explain how financial markets and institutions work. They know the differences between debt and equity financing, and the determinants of the capital structure of non-financial corporations. They will be familiar with the causes of financial crises and can explain measures to stabilize the financial system.

Teaching and learning methods

Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Financial Markets and Institutions	German	500	4	60
Tutorial	Tutorials on Financial Markets and Institutions	German	30	2	30
Self-study					

Prerequisites

obligatory	none
recommended	

Degree program allocation

Study Program/Study Field/Module Number/Lecture Number	obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110013 / 333010013	Obligatory	1 st or 4 th
Wirtschaftswissenschaften (Zwei-Fach) / 333181013 / 333010013	Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) /333171013 / 333010013	Elective	2 nd - 6
Export* /333191013/ 333010013		

Requirements for the awarding of credit points (ECTS)

Requirements for the awarding of credit points (ECTS)		Credits
Prerequisites for participation	none	7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German	

Course Cycle

Course Cycle		Workload	Duration
Winter term	Winter and Summer term	225 h	1 Term
Summer term			

Module coordination

Teaching person See <https://basis.uni-bonn.de>

Module coordinator Prof. Dr. Hendrik Hakenes

Institute/Department Department of Economics

Further Information

Literature

Literature:
 -Berk, Jonathan, und Peter DeMarzo, „Grundlagen der Finanzwirtschaft“, Pearson, 2015.
 -De Haan, Jakob, Sander Oosterloo und Dirk Schoenmaker, „Financial Markets and Institutions: A European Perspective“, Cambridge University Press, 2015.

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Intermediate Macroeconomics A					
BA VWL PF MAKRO A					
Content and learning outcome					
Content	This module presents the basic model of macroeconomic equilibrium to explain empirical trends and regularities. The focus is on long-term relationships that are used to explain, in particular, the secular growth of aggregate income, as well as the development of employment, wages, interest rates and trade. On this basis, the possibilities and limits of economic policy to influence macroeconomic developments are discussed.				
Learning outcome	Participants learn to interpret long-term macroeconomic developments with the help of the basic theoretical models of macroeconomic equilibrium. They recognize the fundamental importance of labor supply, technological development and capital accumulation for macroeconomic growth and, on this basis, are enabled to critically assess economic policy discussions in this regard.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Intermediate Macroeconomics A	German	430	4	60
Lecture	Tutorials on Intermediate Macroeconomics A	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended	Contents of the module Principles of Economics.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110011 / 333010011				Obligatory	2 nd or 3 rd
Wirtschaftswissenschaften (Zwei-Fach) / 333181011 / 333010011				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) /333171011 / 333010011				Elective	2 nd - 6
Export* /333191011/ 333010011					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	Textbook: Makroökonomie von Olivier Blanchard und Gerhard Illing, 6. Auflage, Pearson Studium, 2014, bzw. vergleichbare Lehrbücher.				

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Intermediate Macroeconomics B					
BA VWL PF MAKRO B					
Content and learning outcome					
Content	This module presents models of macroeconomic equilibrium to account for mechanisms relevant in the short run. The focus is on theories of business cycle fluctuations, their causes and propagation. Reference to (and knowledge of) macroeconomic data (and their sources) plays an important role.				
Learning outcome	Participants will become acquainted with modern tools for the macroeconomic analysis of business cycle fluctuations in income, employment, inflation and exchange rates. They will become familiar with the use of theoretical frameworks to assess current economic policy problems.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Intermediate Macroeconomics B	German	430	4	60
Tutorial	Tutorials on Intermediate Macroeconomics B or Tutorials on Intermediate Macroeconomics B for students of teaching.	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended	Contents of the module Intermediate Macroeconomics A.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333110012 / 333010012			Obligatory	3 rd or 4 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333181012 / 333010012			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) / 333171012 / 333010012			Elective	2 nd - 6	
Export* / 333191012 / 333010012					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x	term			
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	Textbook: Makroökonomie von Olivier Blanchard und Gerhard Illing, 6. Auflage, Pearson Studium, 2014, bzw. vergleichbare Lehrbücher.				

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Intermediate Microeconomics A					
BA VWL PF MIKRO A					
Content and learning outcome					
Content	The module introduces the main building blocks for the microeconomic analysis of competitive markets. Building on a formal presentation of the theory of consumer and firm behavior, the concepts of equilibrium and welfare analysis are presented and applied.				
Learning outcome	The students should understand the mathematical model structure of decision and equilibrium theory and become familiar with the application and limitations of these models for answering microeconomic questions. They should be enabled to apply this knowledge independently to simple problems and be prepared to deepen and refine the methods in the elective modules of the third year of study.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Intermediate Microeconomics A	German	420	4	60
Tutorial	Tutorial of Intermediate Microeconomics A	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the mandatory module Principles of Economics.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110009 / 333010009				Obligatory	2 nd or 3 rd
Wirtschaftswissenschaften (Zwei-Fach) / 333181009 / 333010009				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) /333171009 / 333010009				Elective	2 nd - 6
Export* /333191009/ 333010009					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term		Winter and	225 h	1 Term	
Summer term	x	Summer term			
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezső Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				


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Intermediate Microeconomics B					
BA VWL PF MIKRO B					
Content and learning outcome					
Content	The substantive focus of the module is on the analysis of monopoly and oligopoly markets. The tools of modern microeconomics required for this are carefully introduced and illustrated by application examples.				
Learning outcome	The students are familiar with the basic methodological tools of game theory, the theory of decision under uncertainty, and information economics, and understand the fundamental importance of these tools for microeconomic analysis. The module will therefore form the basis for many later modules, such as game theory, industrial economics, auctions and markets, and competition policy.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Intermediate Microeconomics B	German	420	4	60
Tutorial	Tutorial of intermediate Microeconomics B	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the modules Principles of Economics and Intermediate Microeconomics A.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110010 / 333010010				Obligatory	3 rd or 4 th
Wirtschaftswissenschaften (Zwei-Fach) / 333181010 / 333010010				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333171010 / 333010010				Elective	2 nd - 6
Export* / 333191010 / 333010010					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezsö Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Introduction to Statistics A					
BA VWL PF STAT A					
Content and learning outcome					
Content	The module deals with descriptive statistics. Basic methods for the analysis of univariate and multivariate data are discussed. Emphasis is placed on exploratory procedures to extract information from data. This includes graphical methods as well as the calculation and interpretation of important summary statistics.				
Learning outcome	The students obtain a basic understanding of descriptive and exploratory methods to deal with economic data. They will be able to analyze complex data sets, to apply important exploratory techniques, and to interpret the results. The module forms a basis for more advanced courses.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Introduction to Statistics A	German	430	4	60
Tutorial	Tutorials on Introduction to Statistics A	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended	s				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110005 / 333010005				Obligatory	1 st or 2 nd
Wirtschaftswissenschaften (Zwei-Fach) / 333181005 / 333010005				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333171005 / 333010005				Elective	2 nd - 6
Export* / 333191005 / 333010005					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Alois Kneip				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature sources introducing the topic are: - Fahrmeier, L., Künstler, R., Pigeot, I. und Tutz, G. (2004); Statistik; Springer Verlag. - Bamberg, G. und Baur, F. (2001); Statistik, Oldenbourg Verlag				

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Introduction to Statistics B BA VWL PF STAT B				 UNIVERSITÄT BONN	
Content and learning outcome					
Content	The module begins with an introduction to probability. Basic properties of random variables and several important classes of distributions are covered. Based on this, fundamental concepts of statistical inference are taught. The focus is on the theory of estimation and hypothesis testing.				
Learning outcome	The students first learn how to deal with probabilities. Furthermore, they acquire a basic methodological competence in the application and correct interpretation of statistical estimation and test procedures. The module forms a basis for further courses.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Introduction to Statistics B	German	430	4	60
Tutorial	Tutorials on Introduction to Statistics B	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended	The module Introduction to Statistics A is recommended				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110006 / 333010006				Obligatory	2 nd or 3 rd
Wirtschaftswissenschaften (Zwei-Fach) / 333181006 / 333010006				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333171006 / 333010006				Elective	2 nd - 6
Export* / 333191006 / 333010006					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Alois Kneip				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature sources introducing the topic are: - Fahrmeier, L., Künstler, R., Pigeot, I. und Tutz, G. (2004); Statistik; Springer Verlag. - Bamberg, G. und Baur, F. (2001); Statistik, Oldenbourg Verlag				

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Mathematical Methods for Economics A BA VWL PF MATH A					
Content and learning outcome					
Content	The theory of functions of one variable and the derivative of functions are taught. Functions with several variables are treated. Finally, solutions of simple optimization problems are shown with the help of this knowledge.				
Learning outcome	The students acquire knowledge of differential calculus with one and several variables. They learn to apply this knowledge to economic problems.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Mathematical Methods for Economics A	German	350	4	60
Tutorial	Tutorials on Mathematical Methods for Economics A	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333111007 / 333011007				Obligatory	1 st
Wirtschaftswissenschaften (Zwei-Fach) / 333181007 / 333011007				Obligatory	1 st
Wirtschaftswissenschaften (Begleitfach) / 333171007 / 333011007				Elective	1 st
Export* / 333191007 / 333011007					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	x	225 h	1 Term
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature: <ul style="list-style-type: none"> Arens, T., Busam, R., Hettlich, F., Karpfinge, C., Stachel, H.: Grundwissen Mathema-tikstudium, Springer 2013 Sydsæter, K., Hammond, P.: Mathematik für Wirtschaftswissenschaftl, 4. Aufl., Pearson Studium 2014 (older editions from 2014 can also be used)				

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Principles of Business Administration: Finance and Investments					
BA VWL PF BWL IuF					
Content and learning outcome					
Content	The module conveys basic financial knowledge. It covers the evaluation and comparison of different investment opportunities under perfect information about the financial returns, the investment decision under uncertainty, the basic features of the capital asset pricing model (CAPM) and fundamental properties of conditional financial contracts (options).				
Learning outcome	The students learn to apply the basics of assessing investment opportunities. They understand basic steps of risk identification and risk assessment under uncertainty and use them to analyze key financial contracts.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Principles of Business Administration: Finance and Investments	German	500	4	60
Tutorial	Tutorials on Principles of Business Administration: Finance and Investments	German	30	2	30
Selfwork					135
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110004 / 333010004				Obligatory	1 st or 2 nd
Wirtschaftswissenschaften (Zwei-Fach) / 333181004 / 333010004				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333171004 / 333010004				Elective	2 nd - 6
Export* / 333191004 / 333010004					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Principles of Business Administration: Introduction to the Theory of Firm					
BA VWL PF BWL TdU					
Content and learning outcome					
Content	First, the basics of New Institutional Economics are explained. Building on this, the foundation of institutions and organizations, especially that of public corporations and private firms, can then be derived. Subsequently, organizational problems at as well as between hierarchical levels and possible solutions are discussed. Additional management problems caused by the separation of ownership and control in public corporations as well as various solutions to them are the topic of the next chapter of the module. Finally, alternative forms of organization (e.g., partnerships, franchising, cooperatives) are discussed.				
Learning outcome	The students will learn the most important arguments of the existence of companies. They will also learn basic knowledge about the division of labor in companies and the control of processes based on the division of labor. As a further objective, the basics of employee motivation are to be taught. The perspective chosen here is that of senior management.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Principles of Business Administration: Introduction to the Theory of Firm	German	500	4	60
Tutorial	Tutorials on Principles of Business Administration: Introduction to the Theory of Firm	German	30	2	30
Self-study					135
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333110003 / 333010003				Obligatory	1 st or 2 nd
Wirtschaftswissenschaften (Zwei-Fach) / 333181003 / 333010003				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333171003 / 333010003				Elective	2 nd - 6
Export* / 333191003 / 333010003					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam (graded, 100%), German				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel				
Institute/Department	Department of Economics				
Further Information					
Literature	The module covers basic parts of the following book: Kräkel, M. (2012), Organisation und Management; 5th edition, Mohr-Siebeck, Tübingen.				

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Principles of Economics BA VWL PF VWL G					
Content and learning outcome					
Content	In order to clarify basic economic questions and concepts, current economic policy topics are worked on in small group project work in this module. The necessary basics of microeconomics and macroeconomics are taught by means of digital learning content and supporting lectures. In particular, consumption decisions of consumers, production decisions of companies, price formation under different market forms, regulation of markets through state intervention, economic accounting, economic growth, business cycles, inflation and unemployment are dealt with.				
Learning outcome	Students acquire a basic understanding of micro- and macroeconomic principles and understand macroeconomic issues. They know basic problems of economic policy and can understand micro- and macroeconomic economic policy decisions. They learn methods for analysing supply, demand and markets and acquire the ability to interpret macroeconomic data and facts. They can work on economic issues in groups under guidance and present their results in writing (continuous text and presentation) in basic technical language.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture; (presence and digital), question time	Principles of Economics	German	500	4	60
Tutorial; (presence)	Tutorials on Principles of Economics	German	10	2	30
Self-study; (individually and in a group)		German			135
Prerequisites					
obligatory	none				
recommended	none				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre / 333110016 / 333010016				Obligatory	1 st
Wirtschaftswissenschaften (Zwei-Fach) / 333181016 / 333010016				Obligatory	1 st
Export /333191016 / 333010016					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	Successful participation in weekly tests (successful = passing at least 3 macroeconomic and at least 3 microeconomic tests) as well as regular participation in (at least 8) exercises/tutorials as a prerequisite for admission to the module examination.				7,5 LP
Types of Assessment Examination language	1. two essays (max. 1500 words each), ungraded, German 2. creation and presentation of a PowerPoint presentation, ungraded, German, English				
Course Cycle			Workload	Duration	
Winter term	Winter and Summer term	x	225 h	1 Term	
Summer term	term				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel, Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature:				

	<ul style="list-style-type: none">- N. Gregory Mankiw, Mark P. Taylor: Grundzüge der Volkswirtschaftslehre (German), Schäffer-Poeschel; 7th edition 2018.- Open source textbook "The Economy" at https://www.core-econ.org- Lawrence Davidson, Andreas Hauskrecht and Jürgen von Hagen: Macroeconomics for Business. Cambridge: Cambridge University Press 2019 <p>Exam registration Special exam registration deadlines before and at the beginning of the lecture period! See under " Termine"/" Terminplan" https://www.vwlpamt.uni-bonn.de/pruefungsamt</p>
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Advanced Corporate Finance

BA VWL WPF ACORPPFIN



Content and learning outcome

Content	This course explores in depth how frictions such as taxes, agency conflicts, and imperfect information impact key corporate decisions such as capital budgeting, capital structure, and dividend policy. We then build on these insights to examine particular issues facing corporate managers, investors, and entrepreneurs, such as IPO and M&A. The lectures are complemented with case studies and classroom discussion of selected real-life events.
Learning outcome	The students gain a theoretical understanding of what drives financial decisions in a firm. The students develop skills to analyze practical corporate finance problems using the theoretical insights. The students will be exposed to English vocabulary used in finance and economic contexts.

Teaching and learning methods

Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture; with integrated tutorial	Advanced Corporate Finance/ Fortgeschrittene Unternehmens- finanzierung	German or English	40	4	60
Self-study					165

Prerequisites

obligatory	English proficiency
recommended	Basic knowledge in finance, microeconomics, and mathematic.

Degree program allocation

Study Program/Study Field/Module Number/Lecture Number	obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333122003 / 333022003	Elective	5 th or 6 th
Export* / 333192203 / 333022003		

Requirements for the awarding of credit points (ECTS)

Requirements for the awarding of credit points (ECTS)		Credits
Prerequisites for participation	none	7,5 LP
Types of Assessment Examination language	Written or oral exam or piece of homework (graded, 100%), The examination language corresponds to the course language	

Course Cycle			Workload	Duration
Winter term		Winter and Summer term	225 h	1 Term
Summer term	x			


Module coordination

Teaching person	See https://basis.uni-bonn.de
Module coordinator	Prof. Dr. Hendrik Hakenes
Institute/Department	Department of Economics


Further Information

Literature	Detailed reading list will be provided during the course.
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Applied Microeconometrics BA VWL WPF AMICMETRICS		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	Topics include (but are not limited to) the experimental ideal, causality, OLS, limited dependent variables, functional form, dummy variables, standard errors, hypothesis testing and inference, omitted variables bias, matching, measurement error, simultaneous equations, instrumental variables, regression discontinuity, difference-in-differences, panel data, fixed effects.				
Learning outcome	Theoretical understanding and empirical application of the basic methods in applied microeconometrics.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Applied Microeconometrics	English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	Introductory Econometrics				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121023 / 333021023			Elective	5 th or 6 th	
Export* / 333192123 / 333021023					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	None				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), English				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel				
Institute/Department	Department of Economics				
Further Information					
Literature	<p>Main Textbooks:</p> <ul style="list-style-type: none"> •Joshua Angrist and Jörn-Steffen Pischke, Mastering 'Metrics: The Path from Cause to Effect, Princeton University Press, 2014. •Stock, James H., and Mark W. Watson. Introduction to Econometrics: Global Edition. Pearson Education, 2012. <p>Other textbooks:</p> <ul style="list-style-type: none"> •Heiss, Florian. Using R for Introductory Econometrics. 2016. •Wooldridge, Jeffrey. Introductory econometrics: A modern approach. Cengage Learning, 2012. •Badi H. Baltagi, Econometrics, Springer, 2001. •Verbeek, Marno. A guide to modern econometrics. John Wiley & Sons, 2008. 				

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Auctions and Markets BA VWL WPF AUKMARKT		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	The module begins with the basic theory of equilibrium behavior and revenue management in single-object standard auctions. After introducing the revenue equivalence theorem for standard auctions, the focus shifts to mechanism design and its applications for single-object auctions and bilateral trade.				
Learning outcome	The students learn to analyze strategic behavior in auctions and to compare auction formats in terms of efficiency and yield. They also learn the basics of the general theory of mechanism design.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Auctions and Markets	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module based on the contents of the mandatory modules Intermediate Microeconomics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121002 / 333021002			Elective	5 th or 6 th	
Export* / 333192102 / 333021002					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	see https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezsö Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Bank Management BA VWL WPF BANK		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	The module begins with a presentation of the financial system and the functions and business areas of banks. Microeconomic theory models in banking are discussed in some detail. Further, the economic necessity and design of the regulation of banks are analyzed. This is followed by a presentation of banks' external and internal reporting standards. The last part of the module deals with risk management in banks, focusing on methods for measuring and managing credit risks and interest rate risks.				
Learning outcome	Participants learn about the main business areas of a bank and the role of banks in the financial system of an economy. They understand the need for regulation of banks and learn about existing regulatory requirements and are able to interpret them. The module also provides essential knowledge about the (external and internal) accounting standards of banks and about the risk management of banks. It is designed to prepare students for activities in banks, NGOs, and supervisory authorities.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Bank Management	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the module Financial Markets and Institutions.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333122002 / 333022002			Elective	5 th or 6 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333182202 / 333022002			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) / 333172202 / 333022002			Elective	2 nd - 6	
Export* / 333192202/ 333022002					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	see https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	A comprehensive introductory literature source on the subject is: Hartmann-Wendels, Th., A. Pfungsten und M. Weber (2004): Bankbetriebslehre, 3. Auflage, Springer-Verlag				

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Behavioral Finance BA VWL WPF BEFINANCE					
Content and learning outcome					
Content	The objective of the module is to provide bachelor students with a broad understanding of how human psychology affects financial decisions, with specific reference to the impact on personal and household financial decisions, corporate finance and financial markets. For this purpose, the module presents a variety of normative and descriptive theories of expectation formation and decision making under risk and uncertainty and discusses them in light of evidence from empirical and experimental studies.				
Learning outcome	The course will provide students with an understanding of how human psychology leads to biases and mistakes in financial decisions and how these biases, in turn, can help us understand economic and market outcomes. At the end of the course, students should further be able to reason abstractly about potential ways to mitigate mistakes and improve economic outcomes.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Behavioral Finance	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	Good working knowledge of English.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333122013 / 333022013				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182213 / 333022013				Elective	2 nd - 6 th
Export* /333192213 / 333022013					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	None				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	Barberis, Nicholas, and Richard Thaler (2003): "A survey of behavioral finance", in Handbook of the Economics of Finance, Chapter 18, pp. 1053-1128. Eisenführ, Franz, and Martin Weber, and Thomas Langer (2010): "Rational Decision Making", Springer Berlin Heidelberg				

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Bounded Rationality					
BA WPB VWL BOUNDRAT					
Content and learning outcome					
Content	The course presents different approaches to modeling decision making and strategic interactions with boundedly rational agents. Among other topics, the course covers models that allow for limited knowledge of the relevant contingencies (unawareness), limited knowledge of the underlying probability distribution (ambiguity), limited attention, limited memory, and finite depth of reasoning (level-k). Laboratory experiments testing these theories are also discussed.				
Learning outcome	The students learn mathematical economic models from decision theory and behavioral economics. At the end of the course, students should be familiar with a range of modelling approaches that account for bounded rationality and they should be able to apply them to different economic problems.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Bounded Rationality	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121028 / 333021028				Elective	5 th or 6 th
Export* / 333192128 / 333021028					
Requirements for the awarding of credit points (ECTS)					
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or oral exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezsö Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Budgeting					
BA VWL WPF UPLANUNG					
Content and learning outcome					
Content	This module deals with budgeting as an instrument of corporate management. Budgeting is understood as a period-related planning process for the entire company and its subunits and functions. The module deals with the decision-theoretical foundations of planning and, building on this, examines their implementation within the framework of budgeting.				
Learning outcome	In this module, the essential techniques of budgeting and their application for decision support are to be learned. Through the reference to decision theory, students obtain the ability to assess budgeting approaches with regard to their application and limitations and to use them in an appropriate manner.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Budgeting	German or English	50	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the mandatory module Principles of Business Administration: Introduction to the Theory of Firm				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333122006 / 333022006				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182206 / 333022006				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333172206 / 333022006				Elective	2 nd - 6
Export* / 333192206 / 333022006					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				


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Collective Choice BA VWL WPF CCHOICE					
Content and learning outcome					
Content	This course presents a thorough treatment of theoretical topics in “collective choice” by highlighting the themes and methodologies that constitute the field. The main topics covered are classical topics from social choice theory, mechanism design, as well as non-cooperative models of elections, voting in committees, agenda selection, and legislative bargaining. Finally, the course considers a selection of some applied topics such as coordination games and revolutions, shareholder voting, persuasion and campaigning, norm enforcement in societies, and the dynamics of political campaigns and institutions.				
Learning outcome	The students learn mathematical economic models from information economics and game theory (cooperative and non-cooperative). At the end of the course, students should be able to use these models to reason abstractly about the functioning of various forms of organizations and institutions for solving collective choice problems and to apply these models critically to specific environments.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Collective Choice	English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	English Proficiency, basic notions of game theory				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121026 / 333021026			Elective	5 th or 6 th	
Export* / 333192126 / 333021026					
Requirements for the awarding of credit points (ECTS)					
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), English				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	see https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezsö Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Computer-aided Statistical Analysis					
BA VWL WPF COMPSTAT					
Content and learning outcome					
Content	This computer-based course deals with tools for visualizing data and dependencies between different data series. The idea is to let the data speak to discover anomalies in the data and find clues to relationships between different variables. The possibilities (and limitations) of data processing and data analysis using statistical software are highlighted during the course. Examples and exercises accompany the theoretical explanations.				
Learning outcome	Students learn how to recognize data structures and translate them into suitable models. Differentiated handling of important statistical methods is practiced. Experience with statistical software is acquired during evaluation and interpretation.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Computer-aided Statistical Analysis	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the obligatory modules Introduction to Statistics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333123003 / 333023003				Elective	5 th / 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182303 / 333023003				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333172303 / 333023003				Elective	2 nd - 6
Export* / 333192303 / 333023003					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Alois Kneip				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				


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Contract Theory BA VWL WPF VERTRAG		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	The module deals with the effects on private information on optimal contract design in bilateral principal agent relationships. The focus is on the cases with adverse selection where the agent possesses private information (hidden information) and with moral hazard where the agent chooses an action which only s/he observes privately. Applications to be discussed include the optimal price discrimination schemes by a monopolist or the optimal design of wage contracts.				
Learning outcome	Participants will learn under which conditions and why the presence of private information causes economic inefficiencies. In particular, students will learn the concepts of incentive compatibility and information rents. In addition, students will acquire the skill to analyse principal agent models and to determine optimal contracts.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Contract Theory	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121017 / 333021017				Elective	5 th or 6 th
Export* / 333192117 / 333021017					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term		term			
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezső Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Recommended literature: - Laffont, J.-J. and D. Martimort: The Theory of Incentives, The Economic Journal, Vol. 113, No. 488, Features (Jun., 2003), pp. F394-F395 - Bolton, P. and M. Dewatripont: Contract Theory, MIT Press, Cambridge 2005 - Schweizer, U.: Vertragstheorie, Tübingen: Mohr Siebeck, 1999 - Salanie, B. The Economics of Contracts. 2. Ed., Cambridge, Mass. u.a.: MIT Press, 2005 - Macho-Stadler, I. and J. D. Perez-Castrillo: An Introduction to the Economics of Information: Incentives and Contracts, 2.e., Oxford u.a.: Oxford Univ. Press, 2001				

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Cost Management and Cost Accounting					
BA VWL WPF KOSTEN					
Content and learning outcome					
Content	This module deals with the production theoretical foundations of cost accounting and the role of cost information for corporate decisions. Building on this, functions and sub-areas of traditional cost accounting systems as well as more recent developments in cost accounting and cost management are discussed.				
Learning outcome	In this module, students will acquire the ability to evaluate designs of cost accounting systems applied in corporate practice with regard to their capability of facilitating short-term and long-term decisions. In addition to the knowledge of common cost accounting systems, they will gain understanding of the background of production theory and the information requirements of typical corporate decision problems.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Cost Management and Cost Accounting	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333122005 / 333022005				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182205 / 333022005				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) /333172205 / 333022005				Elective	2 nd - 6
Export* /333192205/ 333022005					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	<ul style="list-style-type: none"> •Ewert, R., A. Wagenhofer, Interne Unternehmensrechnung, 8. Auflage, Springer 2014 •Fandel, G, B. Heuft, A. Paff und T. Pinz, Kostenrechnung, 2. Auflage, Springer 2004 •Varian, H., Microeconomic Analysis, 3. Auflage, Norton 1992 bzw. Mikroökonomie, 3. Auflage, Oldenbourg 1994 				

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Development Economics BA VWL WPF DEVELOP		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	<p>In this course, students will learn about the current state of the art in development economics. To understand the characteristics of developing countries and what it implies for the way we analyze them, students will learn about the relevant theoretical and evidence-based empirical background. The course will cover a range of topics, from income and poverty, inequality, human development, economic growth, agriculture, structural transformation, to markets and trade, foreign aid, migration and governance. By analyzing case studies of success and failure stories students have find to out what works for development, what doesn't and assess these ideas critically.</p>				
Learning outcome	<p>The module is designed to provide students with the essential tools and concepts of development economics. At the end of the course, students should be able to understand the specific challenges and opportunities of developing economies, and analyze them drawing on existing theories and empirical evidence. They should be able to critically assess various policy responses to development problems.</p>				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Development Economics	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	Good working knowledge of English.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121015 / 333021015			Elective	5 th or 6 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333182115 / 333021015			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) /333172115 / 333021015			Elective	2 nd - 6	
Export* /333192115/ 333021015					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	None				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	<p>Suggested textbooks:</p> <ul style="list-style-type: none"> •De Janvry, A., & Sadoulet, El. (2016). Development Economics. Theory and Practice. Routledge. •Taylor, J. E., & Lybbert, T. J. (2015). Essentials of Development Economics. University of California Press. •Ray, D. (1998). Development Economics. Princeton University Press. 				

	<p>Additional suggested readings:</p> <p>Books:</p> <ul style="list-style-type: none"> • Sen, A. (1999). Development as Freedom. Oxford University Press. • Banerjee, A. & Duflo, E. (2012). Poor Economics: A Radical Rethinking of the Way to Fight Global Poverty. Public Affairs. • Easterly, W. (2001). Elusive Quest for Growth. Economists' Adventures and Misadventures in the Tropics. MIT Press. • Selected chapters of Handbook of Development Economics. North Holland. <p>Journal articles:</p> <p>A detailed list to be provided before the beginning of the course.</p>
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Economic History BA VWL WPF WIGESCHI		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	The module deals with central issues in the economic history of the modern world. These include the drivers of industrialization, the history of globalization, and the causes and consequences of economic and financial crises.				
Learning outcome	Students learn about the evolution of modern economies over time, understand the importance of institutions to economic change, and become familiar with key economic history methods.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Economic History	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121019 / 333021019			Elective	5 th or 6 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333182119 / 333021019			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) /333172119 / 333021019			Elective	2 nd - 6	
Export* /333192119/ 333021019					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	see https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	Introducing literature: •Karl Gunnar Persson, An Economic History of Europe: Knowledge, Institutions and Growth. New York: Cambridge University Press, 2010. •Michael D. Bordo, Alan M. Taylor and Jeffrey G. Williamson (Hrsg.), Globalization in Historical Perspective. Chicago: University of Chicago Press, 2003. •Toni Pierenkemper, Wirtschaftsgeschichte. Die Entstehung der modernen Volkswirtschaft, Akademie Verlag, Berlin 2009. •Carmen M. Reinhart and Kenneth S. Rogoff, This Time is Different: Eight Centu-ries of Financial Folly. Princeton, NJ: Princeton University Press, 2009.				


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Empirical Corporate Finance					
BA VWL WPF EMPCORP					
Content and learning outcome					
Content	This course deals with select topics in corporate finance. These topics include capital structure, payout policy, equity financing, corporate control and governance as well as executive compensation. Theoretical concepts are discussed to the extent that they are relevant to understand the underlying economic mechanisms and to derive empirical implications. This course focuses on the design of empirical tests of these implications. In particular, the course deals with how to establish a close link between theory and data and how to address endogeneity problems. In the tutorial, students will be introduced to perform empirical analysis using Stata.				
Learning outcome	This module is designed to make students familiar with fundamental issues in corporate finance, to introduce them into basic research methodologies used in corporate finance and to make them familiar with the statistical software Stata.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Empirical Corporate Finance	German or English	40	4	65
Self-study					165
Prerequisites					
obligatory	None				
recommended	Strong command of English required. Some prior knowledge of econometrics or applied microeconometrics is recommended.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333122011 / 333022011				Elective	5 th or 6 th
Export* / 333192211 / 333022011					
Requirements for the awarding of credit points (ECTS)					
Prerequisites for participation	None				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Environmental Economics BA VWL WPF UMWELT					
Content and learning outcome					
Content	Government policies to influence pollution and resource consumption: market failures due to externalities, environmental policy instruments, energy efficiency and energy efficiency regulation, cost/benefit analysis as a tool of environmental economics, environmental goods, exhaustible and renewable resources, climate protection and implementation of climate protection in the energy sector.				
Learning outcome	Students know the background and development of environmental and resource economics. They understand the relationships between the economy and the environment. They know the theoretical foundations of external effects and environmental goods as well as the goals and instruments of environmental policy.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture; (Part 1 - Summer term)	Environmental Economics	German or English	40	2	30
Lecture; (Part 2 - Winter term)	Environmental Economics	English	40	2	30
Self-study					165
Prerequisites					
obligatory	none				
recommended	Obligatory modules of the 1st and 2nd year of study				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121012 / 333021012				Elective	5 th or 6 th
Export* / 333192112 / 333021012					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Final module examination at the end of the winter semester, Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	x	225 h	1 Term
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	<ul style="list-style-type: none"> •Perman, R., Y. Ma, J., M. Common, D. Maddison und J. McGilvray (2011), Natural Resource-and, Environmental Economics; 4. Aufl., Pearson, Harlow. •Sturm, B. und C. Vogt (2018), Umweltökonomik –eine anwendungsorientierte Einführung, Springer Gabler •Erdmann, G., Praktijnjo, A. und P. Zweifel (2017), Energy Economics: Theory and Applications, Springer •Nordhaus, W (1994), Managing the Global Commons: The Economics of Climate Change, MIT Press. •Further current literature references will be given in the lecture. 				

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Experimental Economics BA VWL WPF EXWIFO		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	Economic experiments allow to collect data in a very controlled way. This course introduces students to basic methods in experimental economics and discusses important experimental studies and results. The course covers, for example, market and bargaining experiments, experiments on collective goods and on labor markets. During the course, participants will design, conduct and evaluate experiments themselves.				
Learning outcome	Participants will learn about selected economic experiments and results. They will gain insights on how to design, conduct, and evaluate experiments.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Experimental Economics	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended					
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121016 / 333021016			Elective	5 th or 6 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333182116 / 333021016			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) / 333172116 / 333021016			Elective	2 nd - 6	
Export* / 333192116 / 333021016					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture				


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Financial Statements and Business Valuation					
BA VWL WPF BILANZEN					
Content and learning outcome					
Content	In relation to company balance sheets, the structure and content of commercial balance sheets are taught as a matter of priority. After an introduction, recognition, measurement and disclosure are discussed. Balance sheet analysis concludes the course. The course content is deepened by means of integrated exercises. An introduction to the theoretical principles of business valuation is followed by an overview of valuation purposes, valuation standards and principles. Subsequently, the derivation of expected pay-outs using integrated corporate planning and the derivation of the capitalization interest rate are presented. Methods of business valuation (capital value-oriented methods, multiplier methods) are taught. The students practice the application of the methods using concrete examples. Selected valuation problems are addressed.				
Learning outcome	Students will be familiar with the theoretical principles of practically relevant methods of company valuation and will be able to apply them. They know the structure and content of company balance sheets (primarily commercial balance sheets) as well as methods for analyzing them.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Financial Statements and Business Valuation	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the mandatory modules Principles of Business Administration: Introduction to the Theory of Firm				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333122009 / 333022009				Elective	5 th or 6 th
Export* / 333192209 / 333022009					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Game Theory BA VWL WPF SPIEL					
Content and learning outcome					
Content	Game theory describes interactive decision problems from a formal point of view and develops various solution concepts which are supposed to describe the results of strategic interaction. The module critically presents selected advanced models, solution concepts and results of non-cooperative game theory and illustrates their application to economic problems.				
Learning outcome	The participants should learn to model interdependent decision situations as games and to analyze them with the help of different solution concepts of non-cooperative game theory. This should enable them to independently recognize the strategic aspects of economic, political and social interactions.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Game Theory	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the modules Intermediate Microeconomics A and Intermediate Microeconomics B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121001 / 333021001			Elective	5 th or 6 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333182101 / 333021001			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) / 333172101 / 333021001			Elective	2 nd - 6	
Export* / 333192101/ 333021001					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezső Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced in the course.				


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Health Economics BA VWL WPF HEALTH		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	Students will learn how to use economic arguments in questions regarding individual health and the organisation of the health care system. In the course of this, they will also learn a number of empirical facts in these areas and how to interpret them in the light of economic models. Students will be exposed to English vocabulary used in economic contexts.				
Learning outcome	The first half of the course will focus on the production of health over the life-cycle: How is human health shaped during childhood and adolescence? How do people react to economic incentives later in life and make provisions for the future? What is the role played by socio-economic factors and demographics? What is the role of health care services? The second half of the course turn the last question around and consider the organisation of the health care system. Should health insurance be provided by private firms or public entities? What does the optimal insurance contract look like? Who should run hospitals? How should physicians be incentivised? Throughout the course, we will start from basic empirical facts and then make sense of them using economic theory.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture; with integrated tutorial	Health Economics	English	40	4	60
Self-study					165
Prerequisites					
obligatory					
recommended	Basic knowledge of microeconomics and data analysis/econometrics. English proficiency.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121021 / 333021021			Elective	5 th or 6 th	
Export* / 333192121 / 333021021					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	None				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), English				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel				
Institute/Department	Department of Economics				
Further Information					
Literature	Recommended Literature: - Peter Zweifel, Friedrich Breyer and Mathias Kifmann (2009): Health Economics (2nd edition). Berlin: Springer				

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Incentives and Economic Institutions				UNIVERSITÄT BONN	
BA VWL WPF ANREIZE					
Content and learning outcome					
Content	This course explores topics in the theory of economic transactions (prices, allocations) with strategic agents. Negotiations, search, and auctions describe three basic classes of models used by economists to study a wide variety of small and decentralized markets. Mechanism design and contract theory are used to analyze bilateral relationships. The course emphasizes the importance of such models for the efficiency of strategic interactions in the presence of informational frictions and possible regulatory intervention.				
Learning outcome	This course teaches the in-depth analysis of economic models using methods from information economics, dynamic optimization, and game theory. Students will learn to reason abstractly about the operation of small and decentralized markets, including bilateral relationships. They will learn to use basic economic models for this purpose and to apply them to specific institutional settings.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Incentives and Economic Institutions	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the mandatory module Intermediate Microeconomics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121025 / 333021025				Elective	5 th or 6 th
Export* / 333192125 / 333021025					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	see https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Industrial Organization BA VWL WPF INDÖKON		 UNIVERSITÄT BONN			
Content and learning outcome					
Content	The module starts with a presentation of the optimal pricing of a monopolist. In particular, the possibilities and effects of price discrimination are considered. Subsequently, the properties of imperfect competition are discussed using the classical static oligopoly models. These models are then extended to explain the properties of strategic competition with multiple decision variables. In the last section of the module, dynamic oligopoly models are presented. ENTWURFSTEXT				
Learning outcome	Participants will learn how companies with market power make optimal strategic decisions. The aim is to understand the interaction between basic market parameters, such as market structure, barriers to market entry, technological and legal framework conditions, and corporate decisions. With the help of the learned models, students should be able to critically analyze practical examples. Furthermore, students should be able to explain the advantages and disadvantages of different government interventions in markets with imperfect competition. ENTWURFSTEXT				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Industrial Organization	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the module Intermediate Microeconomics B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121007 / 333021007			Elective	5 th or 6 th	
Export* / 333192107 / 333021007					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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International Accounting according to IFRS		UNIVERSITÄT BONN			
BA VWL WPF IFRS					
Content and learning outcome					
Content	The module covers the various aspects of accounting according to IFRS. In the first part, the basic knowledge (theory of accounting, internationalization of accounting in Germany, institutional framework of IFRS, recognition and enforcement of IFRS, framework principles, reporting requirements, sets of accounts and notes, standards and interpretations) is taught. The second part focuses on accounting for items that are relevant in the separate financial statements. Four topics are covered (main items in the balance sheet, revenue and profit recognition, additional items in the balance sheet, special topics). The third part deals with additional information to be published (such as key figures) and additional reports to be published (such as segment reporting). The last part covers the basics of group accounting (e.g. consolidation, business combinations) according to IFRS.				
Learning outcome	Students learn the basics of accounting according to international accounting standards (IFRS). Knowledge of double-entry bookkeeping is also taught.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	International Accounting according to IFRS	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the module Financial Markets and Institutions.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 3331222007 / 3330222007			Elective	5 th or 6 th	
Wirtschaftswissenschaften (Zwei-Fach) / 3331822207 / 3330222007			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) / 3331722207 / 3330222007			Elective	2 nd - 6	
Export / 3331922207 / 3330222007					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

* export into other study programs is only possible if contract between faculties exists

International Economics BA VWL WPF AUSSENW					
Content and learning outcome					
Content	The module deals with the basic issues of economic policy in open economies. The first part deals with questions of international trade and international trade policy, the second part with questions of international macroeconomics.				
Learning outcome	Students develop an understanding of world trade and international financial markets from both a theoretical and economic policy perspective.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	International Economics	German or English	40	4	40
Self-study					
Prerequisites					
obligatory	none				
recommended	The module based on the contents of the obligatory modules Intermediate Macroeconomics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121004 / 333021004				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182104 / 333021004				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) /333172104 / 333021004				Elective	2 nd - 6
Export* /333192104/ 333021004					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	see https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	The lecture is based on the following textbooks: <ul style="list-style-type: none"> •Paul Krugman, Maurice Obstfel and Marc Melitz: International Economics. •Philipp Harms: Internationale Makroökonomik. 				


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International Financial Contracts					
BA VWL WPF IBL					
Content and learning outcome					
Content	The module begins with an overview of the most important financial contracts of the international financial market. Financial contracts of the money, capital, swap and foreign exchange markets are dealt with. The focus is on interbank trading. The focus is on forward and derivative financial contracts including structured products. In a second step, the cross-references of the various financial products are examined and their valuation as well as risk limitation by means of suitable trading strategies are derived.				
Learning outcome	The participants learn the structure and subdivision of the most important contracts of the international financial market. From knowledge of the characteristics of the individual components, they assess the applicability and significance in practice-relevant situations. They apply basic techniques of risk identification and measurement to assess and limit financial risks arising from changes in exchange rates, interest rates and share prices.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	International Financial Contracts	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the module Financial Markets and Institutions.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333122001 / 333022001				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182201 / 333022001				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333172201 / 333022001				Elective	2 nd - 6
Export* / 333192201 / 333022001					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Hendrik Hakenes				
Institute/Department	Department of Economics				
Further Information					
Literature	A comprehensive introductory literature source on the subject is: Hull, J.C. (2006), Options, Futures, and other Derivatives; Prentice-Hall, New York				

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Introduction to Behavioral Economics					
BA VWL WPFVERHALTEN					
Content and learning outcome					
Content	Diverse psychological and experimental evidence documents behaviors that are inconsistent with the predictions of the standard economic model. Based on these empirical observations, the lecture presents modeling approaches that formalize the underlying psychological aspects (e.g., time inconsistency, social preferences, reference-dependent preferences, overconfidence). Subsequently, the implications of the previously presented decision-theoretic models are elaborated in various problems of economic relevance.				
Learning outcome	In the recent past, the so-called behavioral economics (Behavioral Economics, Psychology and Economics) has developed into a steadily growing field of research, which enriches the standard economic model with psychologically based aspects of individual decision making. The lecture aims to provide bachelor students with an introduction to behavioral economics. In the course of the lecture, the participants will get to know models of decision theory extended by psychological factors and apply them to economic problems.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Introduction to Behavioral Economics	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The lecture is aimed at Bachelor students with basic microeconomic knowledge at the level of the lecture Intermediate Microeconomics B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121020 / 333021020				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182120 / 333021020				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) /333172120 / 333021020				Elective	2 nd - 6
Export* /333192120/ 333021020					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Introduction to Economics of Information BA VWL WPF INFÖKON				 UNIVERSITÄT BONN	
Content and learning outcome					
Content	The module teaches the basics of how markets work in the presence of asymmetric information. It explains where and which problems can arise in these markets. Finally, mechanisms are presented to overcome information asymmetries and their negative effects, such as signal-ing (especially jobmarket signalling) and screening.				
Learning outcome	Students will be familiar with the functioning of markets with asymmetric information. They will be able to identify and describe problems in such markets and develop solutions to market failures.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture; with integrated tutorial	Introduction to Economics of Information	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the obligatory module Intermediate Microeconomics B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333121024 / 333021024			Elective	5 th or 6 th	
Export* / 333192112 / 333021024					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Exam language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Dezsö Szalay				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Labor and Population Economics				UNIVERSITÄT BONN	
BA VWL WPF AMARKT BEVÖKON					
Content and learning outcome					
Content	This module presents facts about the dynamics of labor markets in major industrialized countries and attempts to explain them using state-of-the-art theories. All theories are systematically developed and tested against empirical evidence. The structure and dynamic development of unemployment, employment, vacancies, wages, and education levels are explored. Finally, the effects of specific labor market and population policy measures on these variables are examined.				
Learning outcome	Students will learn to recognize correlations between developments in the labor market and general population trends and to understand how these can be explained in economic terms. They will learn to evaluate the effectiveness of economic policy measures in this area.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Labor and Population Economics	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the modules Intermediate Macroeconomics A and B and Introduction to Statistics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121011 / 333021011				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182111 / 333021011				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333172111 / 333021011				Elective	2 nd - 6
Export* / 333192111 / 333021011					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x	term			
Module coordination					
Teaching person	see https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	Relevant textbooks are: <ul style="list-style-type: none"> • Ehrenberg, R. G., R. S. Smith 2014. Modern Labor Economics. 12. Auflage, Addison-Wesley. • Goerke, L., M. Holler 1997. Arbeitsmarktmodelle. Berlin: Springer Verlag. • Blau, F., M. Ferber, A. Winkler 2016. The Economics of Women, Men, and Work, 7. Auflage, Prentice-Hall. 				

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Monetary Theory and Policy BA VWL WPFELD					
Content and learning outcome					
Content	The module deals with the basic issues of monetary theory and monetary policy. The institutions of the European Monetary Union, basic concepts of monetary theory, the microeconomic foundations of money demand and money supply, strategies of monetary policy and their institutional design, as well as equilibrium-theoretical considerations on the effects of monetary policy are dealt with.				
Learning outcome	The participants learn the basic concepts and models of monetary theory and policy and can apply them to assess and forecast monetary policy in Europe. They understand and interpret common empirical models of money demand, monetary policy rules and inflation forecasts.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture; with integrated tutorial	Monetary Theory and Policy	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module based on the contents of the mandatory modules Intermediate Macroeconomics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121005 / 333021005				Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182105 / 333021005				Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) /333172105 / 333021005				Elective	2 nd - 6
Export* /333192105/ 333021005					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to the language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Christian Bayer				
Institute/Department	Department of Economics				
Further Information					
Literature	A comprehensive textbook is: Oliver Holtemüller: Geldtheorie und Geldpolitik, Tübingen, Mohr Siebeck, 2008.				

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Multivariate Statistics BA VWL WPFMULTSTAT					
Content and learning outcome					
Content	One focus of the module is on methodological foundations. It includes an introduction to matrix algebra as used in multivariate statistics and covers in detail theory and applications of the multivariate normal distribution. Based on this, basic multivariate methods are discussed. The methods are illustrated by examples.				
Learning outcome	Students learn basic statistical methods for the analysis of multivariate data. They will be able to apply these methods to analyze real economic data sets. The theoretical foundations conveyed enable the participants to independently read and understand advanced technical literature in the field of multivariate statistics.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture; with integrated tutorial	Multivariate Statistics	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the obligatory modules Introduction to Statistics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333123002 / 333023002				Obligatory	5 th or 6 th
Export* / 333192302 / 333023002					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term	x	Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Alois Kneip				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature sources that introduce the topic are: -Härdle, W. und Simar, L. (2003), Applied Multivariate Statistical Analysis; Springer Verlag. -Mardia, K.V., Kent, J.T. und Bibby, J.M. (1979); Multivariate Analysis; Academic Press, London				

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Nonparametric Statistics

BA VWL WPF NPARASTAT



Content and learning outcome

Content	Nonparametric methods differ from parametric statistics in the absence of restrictive model assumptions. Classic nonparametric methods include, for example, rank and order statistics. One focus of the module is on nonparametric methods for estimating regression and density functions. Methods discussed include kernel estimators, locally polynomial regression, and spline methods. The methods are illustrated by application examples and practiced.
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Learning outcome	The students gain a basic understanding of the structure and procedure of non-parametric methods. They apply these methods independently to the analysis of real economic data sets. The theoretical foundations conveyed enable the participants to independently deal with the technical literature in the field of nonparametric statistics, also beyond the course of study.
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Teaching and learning methods

Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Nonparametric Statistics	German or English	40	4	60
Self-study					165

Prerequisites

obligatory	none
recommended	The module builds on the contents of the obligatory modules Introduction to Statistics A and B.

Degree program allocation

Study Program/Study Field/Module Number/Lecture Number	obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333123006 / 333023006	Elective	5 th or 6 th
Export* / 333192306 / 333023006		

Requirements for the awarding of credit points (ECTS)

		Credits
Prerequisites for participation	none	7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), German	

Course Cycle

Course Cycle			Workload	Duration
Winter term		Winter and Summer term	225 h	1 Term
Summer term	x			

Module coordination

Teaching person	See https://basis.uni-bonn.de
Module coordinator	Prof. Dr. Alois Kneip
Institute/Department	Department of Economics

Further Information

Literature	Literature introducing the topic: - Simonoff, H.S. (1996); Smoothing Methods in Statistics; Springer Verlag - Büning, H. und Trenkler, G. (1994); Nichtparametrische statistische Methoden; de Gruyter
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Personnel Economics BA VWL WPF PERSONAL					
Content and learning outcome					
Content	In a first step, the module deals with the decision makers, the goals, the restrictions, and the instruments of the personnel policy of firms. In this context, the basics of contract theory and information economics are applied in order to discuss the scope of an employer's personnel policy. The next step focuses on the compensation policy of an employer, which is a central component of his personnel policy instruments. The module also discusses well-known labor economic approaches such as the human capital theory and the analysis of works councils.				
Learning outcome	The participants should be able to understand the advantages and disadvantages of existing labor market institutions that form the framework for company personnel policy. On this basis, students will learn the basics of operational personnel policy. The participants should not only be able to understand theoretical models. They should also be able to interpret empirical field and laboratory findings in economic terms.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Personnel Economics	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the mandatory modules Principles of Business Administration: Introduction to the Theory of Firm and Principles of Economics				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number			obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333122004 / 333022004			Elective	5 th or 6 th	
Wirtschaftswissenschaften (Zwei-Fach) / 333182204 / 333022004			Elective	2 nd - 6 th	
Wirtschaftswissenschaften (Begleitfach) / 333172204 / 333022004			Elective	2 nd - 6	
Export* / 333192204 / 333022004					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation					7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term					
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Matthias Kräkel				
Institute/Department	Department of Economics				
Further Information					
Literature	<ul style="list-style-type: none"> •Backes-Gellner, U./Lazear, E.P./Wolff, B. (2001): Personalökonomik; •Schäffer-Poeschel, Stuttgart; Sadowski, D. (2002): Personalökonomie und Arbeitspolitik; Schäffer-Poeschel, Stuttgart 				

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Public Finance and Social Policy

BA VWL WPF FISOPOL



Content and learning outcome

Content This module first introduces the government budget's structure. Subsequently, the main normative and positive aspects of government activity are analyzed and critically examined on the basis of "perennial issues" and current examples, for instance: Taxation today or in the future (debt financing), costs and benefits of bureaucracy, limits of regulation, or taxation of income versus consumption. As the largest item on the expenditure side in the government's budget, social policy measures receive special attention, especially with regard to their insurance performance from the households' point of view. Possible examples include various types of child and family support, reforms of the pension and health insurance systems, or the pros and cons of means testing.

Learning outcome Participants receive an introduction to reading official statistics. They develop qualitative assessments of the effects of potential reform projects based on aggregate data as well as primary and secondary literature. At the end of the module, they will be able to independently answer relevant questions using qualitative economic analysis.

Teaching and learning methods

Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Public Finance and Social Policy	German or English	40	4	60
Self-study					165

Prerequisites

obligatory	none
recommended	

Degree program allocation

Study Program/Study Field/Module Number/Lecture Number	obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333121027 / 333021027	Elective	5 th or 6 th
Wirtschaftswissenschaften (Zwei-Fach) / 333182127 / 333021027	Elective	2 nd - 6 th
Wirtschaftswissenschaften (Begleitfach) / 333172127 / 333021027	Elective	2 nd - 6
Export* / 333192127 / 333021027		

Requirements for the awarding of credit points (ECTS)

Requirements for the awarding of credit points (ECTS)		Credits
Prerequisites for participation	none	7,5 LP
Types of Assessment Examination language	Written exam or paper (graded, 100%), Examination language corresponds to the language of instruction	

Course Cycle

Course Cycle		Workload	Duration
Winter term	x	225 h	1 Term
Summer term			

Module coordination

Teaching person	see https://basis.uni-bonn.de
Module coordinator	Prof. Dr. Matthias Kräkel
Institute/Department	Department of Economics


Further Information

Literature	Literature will be announced at the beginning of the lecture.
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Stochastic Models BA VWL WPF STOCHMO					
Content and learning outcome					
Content	The module provides an introduction to standard concepts and methods of stochastic modeling. Building on the basics of probability theory, various mathematical models for the description of stochastic systems are presented and analyzed.				
Learning outcome	The students become familiar with basic properties and possible applications of stochastic models. The theoretical foundations conveyed enable the participants to independently read and understand advanced technical literature on stochastic models.				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Stochastic Models	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the mandatory modules Introduction to Statistics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333123005 / 333023005				Elective	5 th or 6 th
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Alois Kneip				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature introducing the topic: - Taylor, H.M. & Karlin, S. (1998), An Introduction to Stochastic Modeling, Academic Press, San Dieg				

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Time Series Analysis				 UNIVERSITÄT BONN	
BA VWL WPF ZEIT					
Content and learning outcome					
Content	First, the basics of modeling time series based on ARIMA processes are discussed. For the selection of suitable models, alternative methods are presented and compared with each other. The specification and estimation of trended time series is done with the tools of non-stationary time series analysis. ENTWURFSTEXT				
Learning outcome	The participants should learn the basic methods for describing and forecasting time series and be able to apply them to economic data series. In particular, they should gain a deeper understanding of the techniques of time series analysis that are standard in economic theory and practice today and that are also implemented in common statistical software packages. ENTWURFSTEXT				
Teaching and learning methods					
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Time Series Analysis	German or English	40	4	60
Self-study					165
Prerequisites					
obligatory	none				
recommended	The module builds on the contents of the obligatory modules Mathematical Methods for Economics A and B.				
Degree program allocation					
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester
Volkswirtschaftslehre, B.Sc. / 333123004 / 333023004				Elective	5 th or 6 th
Export* / 333192304 / 333023004					
Requirements for the awarding of credit points (ECTS)					Credits
Prerequisites for participation	none				7,5 LP
Types of Assessment Examination language	Written exam or term paper (graded, 100%), Examination language corresponds to language of instruction				
Course Cycle			Workload	Duration	
Winter term		Winter and Summer term	225 h	1 Term	
Summer term	x				
Module coordination					
Teaching person	See https://basis.uni-bonn.de				
Module coordinator	Prof. Dr. Alois Kneip				
Institute/Department	Department of Economics				
Further Information					
Literature	Literature will be announced at the beginning of the lecture.				

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Internship BA VWL FWPFB PRAKTIKUM						
Content and learning outcome						
Content	The learning content is agreed with the employer at the beginning of the internship with a view to the learning objectives.					
Learning outcome	Students learn to apply economic knowledge and methods to practical issues in private or public companies, organisations, institutions or authorities. They learn to present economic facts in a comprehensible and target-group-oriented manner (also to non-specialists). They supplement their theoretical knowledge with practical methods. They acquire key competences relevant to the professional field in which the internship takes place.					
Teaching and learning methods						
Type of course/ learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]	
; Full-time professional activity, at least 6 weeks	Internship				180	
Prerequisites						
obligatory	none					
recommended						
Degree program allocation						
Study Program/Study Field/Module Number/Lecture Number				obligatory/ elective	Semester	
Volkswirtschaftslehre, B.Sc. / 333130001 / 333030001				Elective	2 nd - 4 th	
Requirements for the awarding of credit points (ECTS)						
Prerequisites for participation	<ul style="list-style-type: none"> • Internship certificate (internship certificate from the employer) • Internship report, 2 pages (ungraded) 					6,0 LP
Types of Assessment Examination language	No examination,					
Course Cycle			Workload	Duration		
Winter term		Winter and Summer term	x	225 h	1 Term	
Summer term						
Module coordination						
Teaching person	See https://basis.uni-bonn.de					
Module coordinator	Prof. Dr. Lorenz Götte					
Institute/Department	Department of Economics					
Further Information						
Literature	<ul style="list-style-type: none"> • The 6 weeks of full-time work as part of the internship must take place during the lecture-free period. • Internship certificate and report are submitted to the examination office. • FAQs Deadlines/forms for study achievements at https://www.vwlpamt.uni-bonn.de/pruefungsamt/bachelor 					

* export into other study programs is only possible if contract between faculties exists

