

Otto-Friedrich-
Universität Bamberg



Department of Social Sciences, Economics and
Business Administration

ECTS – GUIDE

2020/21

Postal address:

Otto-Friedrich-Universität Bamberg
D-96045 Bamberg

For visitors:

Feldkirchenstr. 21 / Kärntenstr. 7
D-96052 Bamberg

1	INTRODUCTION.....	5
1.1	General Information.....	5
1.2	What is ECTS and how does it work?	5
1.2.1	How does ECTS work?	5
1.2.2	The allocation of credit points to courses	6
1.2.3	ECTS Students	6
1.2.4	ECTS and the Department of Social Sciences, Economics and Business Administration.....	6
1.2.5	The ECTS Grading System.....	7
2	BAMBERG AND ITS UNIVERSITY	8
2.1	The City	8
2.2	The University.....	8
2.3	Preparatory Course for International Students	10
3	Module Descriptions: Faculty of Social Sciences, Economics and Business Administration ..	11
3.1	Module Description: Business Administration.....	11
3.1.1	Human Resource Management and Organisational Behaviour	11
3.1.2	Betriebliche Steuerlehre	14
3.1.3	International Accounting and Auditing	17
3.1.4	Innovation Management	21
3.1.5	Organization.....	23
3.1.6	Economics and Business Education	26
3.1.7	Sales and Marketing	29
3.1.8	Banking and Financial Control	32
3.1.9	Finance 35	
3.1.10	Supply Chain Management.....	37
3.1.11	Operations Management and Business Logistics	40
3.2	Module Description: Political Science	42
3.2.1	International and European Politics	42
3.2.2	Chair for the Governance of Complex and Innovative Technological Systems	46
3.2.3	Political Sociology	49
3.2.4	International and European Politics	51
3.2.5	Political Theory	52
3.2.5.	Comparative Politics	56
3.2.6.	Empirical Political Science	59
3.3	Module Description: Law Coordination Office	62
3.3.1	Tax Law 62	
3.3.2	Public Law and European Community Law	63
3.3.3	Civil, Labour and Social Law	65
3.4	Module Description: Sociology	66
3.4.1	Chair of Sociology, with special emphasis on Social Inequalities	66
3.4.2	Demography.....	67
3.4.3	Methods of Empirical Social Research	68

3.4.4	Sociological Theory	70
3.4.5	Longitudinal Education Research	73
3.4.6	Social Stratification	74
3.4.7	European and Global Studies	76
3.4.8	Sociology with Focus on Education and Work in the Life Course	77
3.4.9	Labour Studies	78
3.4.10	Survey Methodology	80
3.5	Module Description: Economics	82
3.5.1	Economics of Education	82
3.5.2	Empirical Microeconomics	82
3.5.3	Public Economics	84
3.5.4	International Economics	86
3.5.5	Applied Economic Research	88
3.5.6	Economic Theory	91
3.5.7	Economic Policy	93
3.6	Module Description: Statistics and Business Mathematics	95
3.6.1	Statistics and Econometrics	95
3.6.2	Business Mathematics	100

1 INTRODUCTION

1.1 General Information

This booklet provides detailed information on course offerings at the Otto-Friedrich-University of Bamberg, Germany, Department of Social Sciences, Economic and Business Administration. It addresses ERASMUS students and coordinators at their home institutions.

The booklet is for your guidance. It should serve to answer the many questions ERASMUS students have prior to and on their arrival in Bamberg. It should also serve to inform the coordinators and advisors at the participating universities about the assessment and accreditation of the work that a returning student has done in Bamberg.

We hope to improve this booklet continuously. Nevertheless, we cannot guarantee that the information is always up to date. Therefore, we are open to any comments that you, the reader, may have.

Please note that the information in this booklet is non-binding, and that professors are free to add, revise or delete aspects of their courses at any time.

In fact, the information in this booklet is best supplemented by the official course directory (“Vorlesungsverzeichnis”) of the University of Bamberg as well as current information usually available from each professor at the beginning of a semester (for further details see the departments’ homepages <http://www.uni-bamberg.de/sowi>).

It is our most sincere wish that this brochure, in facilitating the mobility of European students, will make a modest contribution to realizing the goals that the various contemporary movements towards European integration are striving for, namely a peaceful and prosperous Europe, based on mutual understanding, acceptance and trust.

1.2 What is ECTS and how does it work?

ECTS stands for "European Credit Transfer and Accumulation System". ECTS is a pilot project forming part of the ERASMUS Program (European Community Action Scheme for the Mobility of University Students). One of the main aims of ERASMUS is to promote academic recognition throughout the European Union so that it is easier for students to complete a part of their studies abroad. As of the academic year 1992/93, ERASMUS has also applied to exchanges between an EU Member State and any country belonging to the European Free Trade Association (EFTA).

1.2.1 How does ECTS work?

ECTS was introduced during a pilot phase extending from the academic year 1989/90 to the academic year 1994/95. Five subject areas were selected for testing the ECTS mechanism: Business Administration, Chemistry, History, Mechanical Engineering and Medicine. One faculty or department from each of the 145 member institutions of higher education participated in the scheme. The results of this pilot phase were encouraging enough to convince the European Commission to implement it as part of the incoming SOCRATES program, which will incorporate, restructure, and expand the existing ERASMUS program.

ECTS is a decentralized system based upon the principle of mutual trust between participating institutions. The few rules of ECTS, which concern information (on courses available), agreement (between the home and host institutions), and the use of credit points (to indicate student workload), are intended as reinforcement of this mutual trust. Each ECTS department describes the courses offered not only in terms of content, but also in terms of credits assigned to each course.

1.2.2 The allocation of credit points to courses

ECTS is a credit system based on student workload. Student workload refers to the time spent in lectures, internships, and independent study. It includes all the work needed to prepare for examinations and to meet academic requirements.

The basic allocation of academic credits in the ECTS is 60 credits per year of study, 30 credits per semester, or 20 credits per trimester or term. It is important that no special courses are set up for ECTS purposes. All ECTS courses should be mainstream courses of the participating institutions, as followed by home students under normal regulations.

It is up to the participating institutions to assign credits for the different courses relative to their workload. Internships (work placements) and optional courses are also assigned academic credit, but only if they form an integral part of the study program. Non-credit courses may, however, be included on a student's transcript. Credits are awarded only if a course has been completed, all requirements have been met and examinations passed.

1.2.3 ECTS Students

Students participating in the ECTS will receive full credit for all academic work successfully completed at any of the ECTS partner institutions. These academic credits may be transferred from one participating institution to another as long as there has been prior agreement between the institutions involved.

All students participating in the ECTS pilot scheme will go to a host institution in an EU Member State, study there for a short period of time, and then return to their home institution. Some may decide to stay at the host institution and finish their degree there. Others may decide to proceed to a third institution and continue their studies. In each of these three scenarios, students will be required to comply with the legal and institutional requirements of the country and institutions where they take their degree.

When a student returns after successfully completing the study components agreed on in advance by the home and host institution, credit transfer takes place. The student then resumes his/her study program at his/her home institution without loss of time or credit. If, on the other hand, the student decides to stay at the host institution and to take his/her degree there, he/she may have to adapt his/her study program to comply with the rules of the host country, institution and department.

1.2.4 ECTS and the Department of Social Sciences, Economics and Business Administration

Visiting students studying in Bamberg will have to apply at their home institutions for recognition of their work done here. Whether this recognition is granted will depend in many cases on the course description given to the home department. Therefore, it is important that you clarify, with the help of the descriptive pages in this booklet, whether your university will accredit the courses taken here. You are advised to find out about the course requirements from your home department before coming to Bamberg, and whether the program of study you intend to follow here will be recognized.

1.2.5 The ECTS Grading System

Examination and assessment are usually expressed in grades. However, many different grading systems co-exist in Europe. Moreover, the issue of grade transfer was highlighted as a major concern by student participants in the ECTS, as indeed it has been for mobile students in general. The situation is further complicated by the fact that the interpretation of grades varies considerably from country to country, and indeed from institution to institution, and by the failure of effectively communicating grades which might have serious consequences for mobile students.

As a result, the Commission of the European Community convened a working group of experts in order to identify the issues involved. Information, comments and statistical data provided by 80 out of the 84 institutions participating in the ECTS at that time were taken into account to refine the proposed ECTS grading scale. All subject area groups agreed to use the ECTS grading scale in order to test its feasibility.

The ECTS grading scale has thus been developed in order to help institutions translate the grades awarded by host institutions to ECTS students. Though it provides information on the student's performance additional to that provided by the institution's grade, it does not replace the local grade. Higher education institutions make their own decisions on how to apply the ECTS grading scale to their own system. The ECTS grading scale allows other institutions the flexibility to award an appropriate mark on their own scale for any incoming or returning students with ECTS grades.

The ECTS grade has to be indicated, alongside with the mark awarded by the institution on the student's transcript, showing the learning achievement of each student in terms of local grades and ECTS credits, and has to be issued either by the home institution or by the host institution before and after the period of study.

In debating the ECTS grading scale, consideration was given to strict numerical definitions based upon the ranking of students in class and to more qualitative definitions based on a common understanding of keywords such as 'good' and 'excellent'. Neither approach in itself was deemed to give satisfactory results. Indeed, a strictly numerical approach would define boundaries which might be irrational against national criteria and which might be impossible to draw if the national grading system discriminates only broadly. Similarly, clear differences appear between institutions in their understanding of keywords.

The ECTS grading scale is, therefore, based upon the combined use of appropriate keywords and numerical descriptions intended to assist in overcoming the transparency of the keywords.

The ECTS grading scale with keywords and an average percentage of successful students achieving these grades:

A	10%	Excellent	Outstanding performance with only minor errors
B	25%	Very Good	Above the average standard but with some errors
C	30%	Good	Generally sound work with a number of notable errors
D	25%	Satisfactory	Fair but with significant shortcomings
E	10%	Sufficient	Performance meets the minimum criteria
FX		Fail	Some more work required before the credit can be awarded
F		Fail	Considerable further work is required

2 BAMBERG AND ITS UNIVERSITY

2.1 The City

Bamberg looks back on a history that spans more than 1000 years. Mostly spared from the devastation of World War II, the city exhibits some of the most outstanding examples of buildings in Germany and was declared part of the UNESCO World Cultural and Natural Heritage in 1993. More than 2000 buildings in Bamberg are listed architectural monuments, representing a wide spectrum of styles, such as Romanesque, Gothic, Baroque, and Classicism. Best known among these are the Cathedral (*Dom*), the churches *Obere Pfarre* and *St. Michael*, the New Residence (*Neue Residenz*), and the Old Townhall (*Altes Rathaus*).

Bamberg today has a population of some 70.000 inhabitants. The city itself offers a large range of excellent music events, interesting theatre productions and numerous exhibitions.

Noteworthy are the world-famous Bamberg Symphony Orchestra concerts with internationally renowned performers in the new Concert Hall and the organ recitals in the Cathedral. In the world of sport, the basketball club Brose Baskets, one of the top teams in the German league for years, is also worth mentioning. The surrounding countryside, the „Fränkische Schweiz“, is ideally suited for excursions by car and for hiking trips. In winter, there is sufficient snow for cross-country skiing.

Further information: www.bamberg.de, www.fraenkische-schweiz.com

2.2 The University

The Otto-Friedrich University of Bamberg looks back on a varied history of more than 350 years. Founded in 1647 as the „Academia Ottonia“ by Bamberg’s Prince Bishop Melchior Otto Voit von Salzburg, the institution first gained university status in 1735, when a Department of Law was established under Prince Bishop Friedrich Karl von Schönborn. In 1972, the modern university combined the former Philosophical and Theological College and the Teacher Training College to form an institution of higher education at university level („Gesamthochschule“). It was named University of Bamberg in 1979. Since 1988 it carries the name Otto-Friedrich-University, referring to its two important founding fathers.

The university is divided into four faculties:

- Department of Humanities
- Department of Human Sciences and Education
- Department of Social Sciences, Economics and Business Administration
- Department of Information Systems and Applied Computer Sciences

The University Library contains approximately 1.5 million volumes. It meets the demands of its users by being divided into departmental libraries assigned to the faculties. The library user has access via computer to the most important sources of academic information, thereby assisting the user in the task of world-wide bibliographical research.

The University of Bamberg offers a modern, specialized range of courses in classical humanities as well as in the field of social and economic sciences. The orientation towards the practical application of knowledge is a particular specialty of the courses offered in Bamberg, and is even prevalent in the humanities. In addition to the extended range of languages offered at the university, the bachelor and master program European Economics, amongst others, with its various optional subjects, meets the requirements of practical application set by the present European and international situation. Currently approx. 13.000 students attend the University of Bamberg, among them more than 800 foreign students from over 60 countries worldwide. The university is engaged in more than 300 student exchange programs with partner institutions in more

than 60 countries.

Exchange students at Bamberg are offered special services: Housing is arranged for them in student residence halls which are run by external organizations and they get a personal student tutor in the “Tandem-Program”. In addition, a special three-week intensive German language and orientation course is offered in September resp. March prior to the start of the semesters in October and April, respectively.

Furthermore, an excursion program is set up for them during the semester with inexpensive day and weekend trips to varying destinations.

The Department of Social Sciences, Economics and Business Administration

The *Department of Social Sciences, Economics and Business Administration* at the University of Bamberg grew out of a nucleus of Social Sciences in the late seventies. Officially founded in 1979 it is now the largest department of the University of Bamberg. Today the **department comprises a multitude of disciplines: Social Sciences, Political Sciences, Economics, Business Administration, Legal Sciences, and Statistics.**

At present, the *Department of Social Sciences, Economics and Business Administration* offers programs in Business Administration, Economics, Economic and Social Law, Social Sciences, Politics and other modules. The programs lead either to the *German University Bachelor* or *Master* degree. The department comprises 47 professorships, and numerous teaching and research assistants. A varying number of guest lecturers completes the department. About 5500 students enrolled in different programs.

The programs in Business Administration, Economics, Politics, and Sociology are scheduled to last 6 semesters (Bachelor) or 4 semesters (Master).

Please note that many courses at the *Department of Social Sciences, Economics and Business Administration* will be held in German. A list of the courses taught in English at our department can be found at the website of our International Office: <http://www.uni-bamberg.de/auslandsamt/studieren-in-bamberg/ich-moechte-nach-bamberg/mit-austauschprogramm/wie-bewerbe-ich-mich/#c186929>.

However, there is the opportunity of writing seminar papers or a Bachelor or Master thesis in English.

Although many courses are offered once a year, there are courses that are offered every three or four semesters only. Please look at the official course directory to ensure the availability of the program you want to attend!

Exams at the *Department of Social Sciences, Economics and Business Administration* take place after each semester. Tests are usually scheduled as follows:

<i>Semester</i>	<i>Written Examinations</i>
Winter Semester	February/March
Summer Semester	July/August

Should an ERASMUS student fail an exam, he or she is required to retake the exam on the scheduled date at the end of the following semester.

The exam mode for each course unit is indicated on the subject's descriptive page in this brochure and is compulsory.

Contact Addresses:

Otto-Friedrich-University Bamberg
 Prof. Dr. Matthias Muck
 Representative of Foreign Affairs
 Department of Social Sciences, Economics and Business Administration
 Kärntenstr. 7
 D-96052 Bamberg
 Germany

Phone: +49 951/863-2096
 Fax: +49 951/863-2092
 Email: studium-international.sowi@uni-bamberg.de
 Internet: https://www.uni-bamberg.de/sowi/studium/studium_international/

Student Registration:

Akademisches Auslandsamt
 Kapuzinerstr. 25
 D-96045 Bamberg
 Germany

Phone: +49 951/863-1049
 Email: international@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/auslandsamt/>

Academic Calendar:

The academic year 2020/2021 consists of two teaching periods:

Winter Semester: 18th October 2020 – 11th February 2021
 Summer Semester: 25th April 2021 – 29th July 2021

Exams take place after the semester – see:

<http://www.uni-bamberg.de/pruefungsamt/pruefungstermine/> (German only)

2.3 Preparatory Course for International Students

Starting a few weeks before the beginning of the semester, this course is provided for all international exchange students. The Preparatory Course includes:

- Support by tutors (e.g. help with formalities, explanation of the course schedule, etc.)
- German lessons
- Official course opening
- Duration of course lessons: 3 weeks
- Course outline: 4 teaching units per day from Monday through Friday
- Getting ready for studying: Tutorials (e.g. introduction to the online registration systems, guided tours of the libraries), help with registration for the university as well as for classes, etc.
- Leisure programme: e.g. guided city tours, excursions, etc.

For successful participation students can obtain 6 ECTS points. Regular attendance is required, i.e. if you miss classes more than twice without an excuse you will not receive any ECTS points. Additionally, you will need to give an oral presentation as well as pass a written exam or write a term paper.

Although participation is voluntary, it is highly recommended as exchange students will not only have the opportunity to meet each other, they will also improve their German language skills and cultural awareness. Registration for the Preparatory Course is part of the application process as an exchange student. There is a compulsory online placement test that students must take before the beginning of the course. The course fee of 250 € must be transferred before arrival.

Contact for general questions regarding the Preparatory Course: international@uni-bamberg.de

3 MODULE DESCRIPTIONS: FACULTY OF SOCIAL SCIENCES, ECONOMICS AND BUSINESS ADMINISTRATION

3.1 Module Description: Business Administration

3.1.1 Human Resource Management and Organisational Behaviour

Prof. Dr. Maike Andresen
 Chair of Human Resource Management and Organisational Behaviour
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2571
 Fax: +49 / 951 / 863-5571
 E-Mail: sekretariat.bwl-personal@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/bwl-personal>

Bachelor Program

Principles of Human Resource Management [PM-B-01]

Grundlagen des Personalmanagements

Aims, responsibilities and functions of HRM; theoretical foundations of HRM; parameters of HRM; career management; personnel planning; recruitment and selection of personnel; personnel placement; personnel development; leadership; personnel evaluation; compensation & benefits; personnel retention; downsizing, ethics and sustainability in HRM

- Language: German
- Semester: Winter semester
- Teaching Method: Undergraduate lecture and exercise
- ECTS: 6

Organisational Behaviour [PM-B-02]

Individual processes (perception, personality, attitudes and values, work motivation, learning); groups, teams and social processes (group dynamics and teams, communication; emotional intelligence; conflict management and negotiation; job satisfaction; power and politics); organisational structure and culture

- Language: English/German
- Semester: Summer semester
- Teaching Method: Undergraduate seminar and exercise
- ECTS: 6

Diversity Management [PM-B-04]

Complexity of diversity: importance and dimensions of diversity, from diversity management to inclusion; diversity in the workplace – from a legal, economic and ethical perspective; paradigms of diversity management and foundations reg. the underlying philosophy of science; diversity management in theory and practice: gender diversity; age diversity; diversity reg. sexual orientation; ethnic and cultural diversity; diversity reg. physical abilities; relation between diversity and performance of individuals, teams, and organizations; diversity and controlling

- Language: German
- Semester: Winter semester
- Teaching Method: Undergraduate seminar and exercise
- ECTS: 6

Human Resource Development [PM-B-06]

Learning theories; assessing HRD needs; designing and evaluating HRD programmes; strategic HRD; individual careers and career anchors; psychological contracts

- Language: English/German
- Semester: Summer semester
- Teaching Method: Undergraduate seminar and exercise
- ECTS: 6

Additional courses: See webpage www.uni-bamberg.de/bwl-personal

Master Program**The Future of Work [PM-M-02]**

Precondition for participation: Solid fundamental knowledge of “human resource management”, gained within a Bachelor programme of study

Introduction to yearly changing topics related to future challenges for human resource management; reviewing introductory literature to selected areas of application in HRM connected to future challenges (such as leadership); review of empirical studies on the selected matters; identification of research gaps; development of a concept for further empirical research; acquisition of competencies in argumentation techniques

- Language: English
- Semester: Winter semester
- Teaching Method: Graduate seminar and exercise
- ECTS: 6

International Dimensions of Human Resource Management [PM-M-03]

Precondition for participation: Solid fundamental knowledge of “human resource management”, gained within a Bachelor program of study

Defining International Human Resource Management (peculiarities in international vs. national HRM; the organisational context in the path to global status); Cross-Cultural Human Resource Management (the impact of national culture on selected fields in HRM, models of intercultural competence); Comparative Human Resource Management (national differences in selected field of HRM); Human Resource Management in MNCs (strategic IHRM: e.g. centralisation vs. localisation, transfer of HR instruments between headquarters and foreign subsidiaries; international resourcing strategies and expatriation, international training and development)

- Language: English
- Semester: Summer semester
- Teaching Method: Graduate seminar and exercise
- ECTS: 6

Research Seminar Human Resource Management [PM-M-04]

Forschungsseminar Personalmanagement

Precondition for participation: Solid fundamental knowledge of “human resource management”, gained within a Master program of study

Introduction to the yearly changing overall research topic; literature research; developing a research question; definition of research aims; how to write a literature review; developing an empirical concept (methods for data collection, sampling, research design, data analysis, presentation of results, discussion); how to write a research report and present research results

- Language: English
- Semester: Summer semester
- Teaching Method: Graduate seminar and exercise
- ECTS: 6

European Human Resource Management Programme A [PM-M-11a], B [PM-M-11b], C [PM-M-11c]

Precondition for participation: Solid fundamental knowledge of “(international) human resource management”, gained within a Master programme of study

Participation requires application by end of November at the chair; limited number of participants; the three modules A, B, and C belong together and cannot be taken individually.

Context and Strategy of human resource management (HRM) (Competitive environments; political, economic, socio-cultural, technological contexts; the challenges of globalisation; strategic international HRM (SIHRM); configurations of multi-national corporations (MNCs); (national) culture and diversity);

HRM Policies and Practices within MNCs in Europe (International management development; expatriation and international mobility; international compensation and benefits; performance management in Europe; HRM in cross-border mergers & acquisitions; IHRM information systems; review of main theories of cross cultural management; cross-cultural team building; creative production of cross-cultural experiences, on-site visit of a MNC);

European Business Systems and the Institutional Dimension (HR specificities in Eastern European countries; national business systems within the EU; the institutional framework for EU social policy; European employment legislation; roles of the social partners within the European Union; European social policy and HRM; the changing European work force: implications of European enlargement for HRM; developments and future trends - e.g. the world of work in the XXIst century; familiarisation with EU institutions through visits, meetings and discussions on location in Brussels; the industrial relations context; European convergence and divergence);

Cross-Cultural Team Work in Major Multinational Companies (preparation for team-work and interaction with company leadership; debriefing with company leadership and international faculty);

Preparation for project work (consultancy skills; research methodologies for international HRM; project planning; training to improve performance, leadership and motivation competences; reflexivity)

Further information: <http://www.ehrm.de>

- Language: English
- Semester: Summer semester
- Teaching Method: Graduate seminar
- ECTS: 18 ECTS [PM-M-11a], 6 ECTS [PM-M-11b], 6 ECTS C [PM-M-11c]

Change Management [PM-M-06]

Precondition for participation: Solid fundamental knowledge of “human resource management”, gained within a Bachelor program of study

Change as a managed process; theories of change management; recognising and diagnosing the need for change; the people side of change (leadership, stakeholders, communication; resistance; transition); change planning and change interventions; implementing and sustaining change

- Language: English
- Semester: Winter semester
- Teaching Method: Graduate seminar and exercise
- ECTS: 6

Strategic Human Resource Management [PM-M-08]

Strategisches Personalmanagement

Precondition for participation: Solid fundamental knowledge of “human resource management”, gained within a Bachelor programme of study

Basic understanding of the overall business connections (business model, business processes); development of a business strategy; conceptual framework for the development and design of HR strategies; analysis of internal and external influencing factors; definition of goals and key performance indicators; strategic fields like compensation strategies, HRD and talent strategies, branding strategies, communication and change management

- Language: German
- Semester: Summer semester
- Teaching Method: Graduate seminar and exercise
- ECTS: 6

Presentation and Moderation [PM-M-09]

Präsentation und Moderation

Basic tools to facilitate group meetings; learn and practice how to present; *Presentation*: Preparing presentations, introducing presentations, main part of a presentation design, design the conclusion of a presentation; *Moderation*: Learning the role of the moderator, preparing for moderation, designing the moderation cycle, follow up moderation

- Language: German
- Semester: Summer semester
- Teaching Method: Graduate seminar
- ECTS: 6

Leadership and Management Development [PM-M-10]

Precondition for participation: Solid fundamental knowledge of “human resource management”, gained within a Bachelor program of study

Leading and managing in organisations, leadership and management development; leader traits and skills; perspectives on effective leadership behaviour; contingency theories of effective leadership, power and influence; interaction theories of effective leadership, leader-member exchange theory; charismatic and transformational leadership; authentic leadership and romance of leadership; leading teams; developing leaders and leadership skills; a systems perspective on leadership development; strategy and leadership and management development; role and functioning of corporate universities for leadership and management development; criteria for and methods of effective leader development programs; leadership and management development and social capital; development of leaders and managers in small and medium-sized enterprises

- Language: English
- Semester: Winter semester
- Teaching Method: Graduate seminar and exercise
- ECTS: 6

Additional courses: See webpage www.uni-bamberg.de/bwl-personal

3.1.2 Betriebliche Steuerlehre

Prof. Dr. Thomas Egner
 Lehrstuhl für Betriebswirtschaftslehre,
 insbes. Betriebliche Steuerlehre
 Feldkirchenstr. 21
 D-96052 Bamberg
 Tel: +49 / 951 / 863-2708
 Fax: +49 / 951 / 863-2701
 Email: thomas.egner@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/bwl-bsl>

Bachelor Program

Prerequisites: Basic knowledge and understanding of theories and concepts in business administration and management.

Introduction to Business Administration

Einführung in die Betriebswirtschaftslehre

Theory of firms; Corporate objectives; Management theory; Constitutive decisions; Basics of corporate functions (e.g. marketing, finance, production)

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 6

Basics of Business Taxation

Grundlagen der Unternehmensbesteuerung

Survey of the domestic tax system; Survey of business tax system; Procedure of taxation (Fiscal Code); German income tax

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 6

Basics of International Taxation

Grundlagen der Internationalen Steuerlehre

Basics of international tax planning; Income taxation of cross-border investments (inbound/outbound); Effects of the regulations of the EU; Double Taxation Agreements

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Business Taxation I: Types of Taxes

Unternehmensbesteuerung I: Steuerarten

Survey of types of taxes; Corporation income tax; Trade tax; Inheritance and gift tax; Value added tax

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Business Taxation II: Tax Planning

Unternehmensbesteuerung II: Steuerplanung

Taxation effects on firms' decision-making; Impact of taxation on decisions related to investment and finance; Tax risk management; Audit by the fiscal authorities

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

International Business Taxation I: Tax Systems

Internationale Unternehmensbesteuerung I: Steuersysteme

Comparison of tax systems; Tax harmonization and tax competition in the EU; EU-Value-added-tax-system; Common Consolidated Corporate Tax Base for Europe; Jurisdiction of the European Court of Justice

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Master Program

Business Taxation III: Company Taxation and Legal Form

Unternehmensbesteuerung III: Rechtsformorientierte Unternehmensbesteuerung

Prerequisites: Bachelor degree

Company tax systems; Taxation of sole trader and partnerships; Taxation of corporations; Effective tax burden of domestic companies

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Business Taxation IV: Tax Bases

Unternehmensbesteuerung IV: Systeme steuerlicher Gewinnermittlung

Prerequisites: Bachelor degree

Conceptual basics concerning the tax balance sheet legislation; Relationship between financial accounting and tax accounting; Tax balance sheet policy; Cash-flow based tax systems

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

International Business Taxation II: Taxation of Cross-Border Activities

Internationale Unternehmensbesteuerung II: Besteuerung internationaler Unternehmensaktivitäten

Prerequisites: Bachelor degree

International tax policy strategies; Taxation of outbound investments; Taxation of inbound investments; Double taxation and double tax relief mechanisms

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Capital Markets and Taxation

Kapitalmarkt und Besteuerung

Prerequisites: Bachelor degree.

Taxation of financial instruments; Tax effects on capital markets; Taxation of market participants; International tax planning

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture / seminar
- ECTS: 6

3.1.3 International Accounting and Auditing

Prof. Dr. Brigitte Eierle
 Chair of International Accounting and Auditing
 Feldkirchenstr. 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2545
 Fax: +49 / 951 / 863-2546
 Email: bwl-irwp@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/bwl-irwp>

Bachelor Program

Bookkeeping

Buchführung

Prerequisites: None

This module introduces the basic principles of financial accounting and preparation of the annual financial statement. Posting essential business transactions as well as profit and loss accounting will be explained and practiced in corresponding tutorials and practice sessions.

Key learning topics are:

Concept and functions of accounting; Operands in accounting; Basic legal principles; Relationships between Inventory, balance sheet and income statement; Basic principles of double-entry bookkeeping: account entries, organization of accounts, booking in T-accounts; Booking in company operating divisions (particularly: movement of goods, production, personnel, fixed assets, financial issues); Preparation of financial statements (accruals, depreciation, reserves, non-corporate accruals)

- Language: German
- Semester: Winter Semester
- Teaching Method: Lectures, seminar-like tuition, tutorials
- ECTS: 6

Accounting in accordance with the German Commercial Code

Rechnungslegung nach HGB

Prerequisites: None, but prior bookkeeping knowledge is strongly recommended.

In this module, the basic principles of Commercial Accounting together with Tax Accounting will be taught and current variations of accounting strategies will be discussed. In the corresponding practice sessions, knowledge acquired will be applied through practical case studies.

Key learning topics are:

Functions of business accounting; Legal basis for the preparation of business accounts in Germany; Basic elements of accounts reporting; Reporting of fixed assets; Reporting of current assets; Reporting of equity capital; Reporting of debt capital; Deferred taxation; Accruals and deferred income; Profit and loss accounting; Notes; Management report; Filing and auditing

- Language: German
- Semester: Summer Semester
- Teaching Method: Lectures, seminar-like tuition, tutorials
- ECTS: 6

Accounting in accordance with IFRS – Basics

Rechnungslegung nach IFRS - Grundlagen

Prerequisites: None, but knowledge of Accounting and Auditing in accordance with the German Commercial Code is strongly recommended.

In this module, the process of international harmonization of external accounting in Germany as well as the institutional and normative basic principles of accounting in accordance with IFRS will be taught. In the corresponding practice sessions, knowledge acquired will be applied through practical case studies.

Key learning topics are:

Influencing environmental factors affecting financial reporting systems; The process of internationalizing financial reporting in Germany; History, organization and functioning of the IASB; Framework of the IASB

Components of IFRS financial statements; Essential provisions of the IFRS with regard to balance sheet information, evaluation and disclosure; Principles of consolidated financial statements in accordance with IFRS

- Language: German
- Semester: Winter Semester
- Teaching Method: Seminar-like tuition: Normative issues, seminar-like tuition: Case studies
- ECTS: 6

Auditing and Corporate Governance

Wirtschaftsprüfung und Corporate Governance

Prerequisites: None, but knowledge of bookkeeping and accounting according to the German Commercial Code is strongly recommended.

In this module, theoretical and normative principles of financial statements auditing are introduced and placed in the context of corporate governance. On the basis of case studies, knowledge acquired will be applied within smaller groups to selected audit areas.

Key learning topics are:

Integration of financial statements auditing into the system of corporate governance; Theoretical and normative principles of auditing financial statements; Risk-based auditing approach; Commissioning and audit planning; Audit evidence and procedures; Verdicts, reporting and audit documentation; Quality assurance and external quality control

- Language: German
- Semester: Summer Semester
- Teaching Method: Lectures, seminar-like tuition
- ECTS: 6

Master Program

Business Valuation and Analysis

Unternehmensbewertung und -analyse

Prerequisites: A Bachelor's Degree is normally required. Knowledge of accounting in accordance with the German Commercial Code and IFRS is strongly recommended.

In this module, theoretical basic principles of key figure analysis and business valuation are taught. In the corresponding practical sessions, knowledge acquired will be applied through analyses of business assets, financial position and earnings. Students will also carry out business valuation and practice making investment decisions.

Key learning topics are:

Principles of investment appraisal; Principles of business valuation; Basic principles of financing theory

Financial statement analysis; Techniques for strategic balance sheet analysis; Fundamental methods of forecasting; Incorporation of current research

- Language: German
- Semester: Winter Semester
- Teaching Method: Seminar-like tuition: Conceptual issues, seminar-like tuition: Case studies
- ECTS: 6

Group Accounting in accordance with the German Commercial Code and IFRS

Konzernrechnungslegung nach HGB und IFRS

Prerequisites: A Bachelor's Degree is normally required. Knowledge of accounting in accordance with the German Commercial Code and IFRS is strongly recommended.

In this module, theoretical and in-depth normative knowledge of group accounting in accordance with the German Commercial Code and IFRS will be taught and applied through practical exercises using actual case studies.

Key learning topics are:

Necessity and significance of consolidated financial statements; Foundations and principles of group accounting; Statutory need to prepare financial statements and consolidation; Preparation of consolidated financial statements (from HB I to HB II); Consolidation measure; Deferred taxes in consolidated financial statements; Special features of international consolidated financial statements; Notes and management report; Cash flow statement; Equity statement; Segment reporting; Filing and auditing requirements

- Language: German
- Semester: Winter Semester
- Teaching Method: Seminar-like tuition: Normative issues, seminar-like tuition: Case studies
- ECTS: 6

Accounting in accordance with IFRS – Advanced

Rechnungslegung nach IFRS - Vertiefung

Prerequisites: A Bachelor's Degree is normally required. Knowledge of accounting in accordance with IFRS is strongly recommended.

This module concentrates on key approaches in empirical accounting research, deepens knowledge of IFRS accounting standards and discusses a selection of special problems. Knowledge acquired will be reinforced by use of case studies.

Key learning topics are:

Organization of the IASB; Conceptual framework of the IASB; Empirical accounting research; Accounting for deferred taxes in accordance with IFRS; Special questions of accounting for tangible assets in accordance with IFRS; Special questions of accounting for intangible assets in accordance with IFRS; Accounting for hedge accounting in accordance with IFRS; Accounting for pension provisions in accordance with IFRS; Accounting for share-based payments in accordance with IFRS; Special problems to do with revenue recognition; Current projects of the IASB

- Language: German
- Semester: Summer Semester
- Teaching Method: Seminar-like tuition: Normative issues, seminar-like tuition: Case studies
- ECTS: 6

Advanced International Financial Reporting

Advanced International Financial Reporting

Prerequisites: A Bachelor's Degree is normally required. Knowledge of accounting in accordance with IFRS is strongly recommended.

Students will receive a course certificate (Schein) which will be upon application credited towards the courses "Accounting in accordance with IFRS – Advanced" and "Research seminar about International Accounting and Auditing".

Recognition, measurement and disclosure of assets; Revenue recognition; Working capital management; Pensions; Related party transactions; Recording the issuance of bonds; Leases

- Language: English
- Semester: Winter Semester
- Teaching Method: Advanced seminar
- ECTS: 6

Research seminar about International Accounting and Auditing

Forschungsseminar zur Internationalen Rechnungslegung und Wirtschaftsprüfung

Prerequisites: A Bachelor's Degree is normally required. Knowledge of accounting in accordance with the German Commercial Code and IFRS is strongly recommended.

The module deals with current questions concerning national and international accounting, auditing and further accounting-relevant themes from the teaching and research program of the department.

- Language: German
- Semester: Every Semester
- Teaching Method: Advanced seminar
- ECTS: 6

Business acquisition and valuation – A practical example

Unternehmenskauf und Bewertung – Ein Praxisbeispiel

Prerequisites: A Bachelor's Degree is normally required. Knowledge of accounting in accordance with the German Commercial Code and IFRS is strongly recommended.

In this module, the theoretical principles of business valuation will be taught and presented in the context of financial statements year-end accounts auditing and purchase price allocation. Knowledge acquired will be applied using selected themes within smaller groups.

Key learning topics are:

Theoretical basic principles of business valuation; Accounting for shares in affiliated undertakings and participating interests in separate and consolidated financial statements; Basic principles of purchase price allocation in accordance with IFRS; Valuation methods in the context of purchase price allocation; Subsequent accounting: Impairment of assets

- Language: German
- Semester: Summer Semester
- Teaching Method: Advanced seminar
- ECTS: 6

Understanding and employing body language

Körpersprache verstehen und einsetzen

Prerequisites: A Bachelor's Degree is normally required.

The objective of this course is to improve your general presentation skills in order to be as authentic and present as possible. Special exercises from the field of neuro-linguistic programming and methods from theatre practice will be used.

Key learning topics are:

Explore the meaning of body language; Voice training and language education; Appropriate use of voice and body language; Fostering self-confidence for a self-assured appearance in presentations and meetings.

- Language: German
- Semester: Every Semester
- Teaching Method: Seminar
- ECTS: 6

Communication training

Kommunikationstraining

Prerequisites: A Bachelor's Degree is normally required.

In this module, students are introduced to various models as well as content and relationship aspects of communication. Practical exercises take place in groups. Within this context, the participants learn to deal with difficult conversation situations and develop problem-solving concepts.

Key learning topics are:

Get to know and apply basic knowledge of conversation and conflict management; Recognize that an integrative conversation depends on the inner attitude how we encounter people; Understand that successful conversation is not an application of manipulative "tricks"; Reflect and further develop your own conversational behavior on the basis of selected topics.

- Language: German
- Semester: Summer Semester
- Teaching Method: Seminar
- ECTS: 6

3.1.4 Innovation Management

Univ.-Prof. Dr. Alexander Fliaster
 Chair of Innovation Management
 Kärntenstr. 7
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-3971
 Fax: +49 / 951 / 863-3975
 Email: sekretariat.bwl-inno@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/bwl-inno>

General Information:

Several lectures need a registration. Please inform yourself about the latest dates in the internet (<http://www.uni-bamberg.de/bwl-inno> or <http://univis.uni-bamberg.de/>).

Bachelor Program

Introduction to Innovation Management

Grundlagen des Innovationsmanagements

Main Lecturer: Prof. Dr. Alexander Fliaster; Academic research assistants

Innovation-based competition; Definition and main types of innovation; Paradigms of innovation management and main streams in the organizational innovation research; Generation of innovations: Innovation as combination; Intra-organizational actors: Innovation champions, gatekeepers and promoters; External actors: Involvement of lead users; Innovation and entrepreneurship: Creation of new industries through business model innovations

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Lecture & tutorial, multimedia-based case studies
- ECTS: 6

Knowledge Management

Wissensmanagement

Main Lecturer: Prof. Dr. Alexander Fliaster; Academic research assistants

Knowledge-based economy and its challenges from the managerial perspective; Main goals of knowledge management; Classification of knowledge from the managerial perspective; Uni-dimensional and multidimensional knowledge strategies in organizations; Organizational knowledge management systems; Main knowledge processes in organizations: knowledge sharing, creation, and retention

- Language: German (case studies and videos in German and English)
- Semester: Summer semester
- Teaching Method: Lecture, case studies, learning videos
- ECTS: 6

Strategic Business Management: The Innovation Perspective

Innovationsorientierte Unternehmensführung

Main Lecturer: Prof. Dr. Alexander Fliaster; Academic research assistants

Business model, value creation, and firm performance; Competitive forces, generic and hybrid competitive strategies, and sustainable competitive advantages; Organizational innovation cockpit; Dynamic model of product and process innovation; Modular and architectural innovations; Sustainable and disruptive innovations; Business model innovations

- Language: German (case studies and videos in German and English)
- Semester: Winter semester
- Teaching Method: Lecture, case studies, learning videos
- ECTS: 6

Master Program

Implementation and Diffusion of Innovations

Main Lecturer: Prof. Dr. Alexander Fliaster; Academic research assistants

Prerequisites: Bachelor degree

Definitions, key strategies, and process theories of organizational change; Resistance to innovations: levels, sources, manifestations, and impact; Implementation and diffusion of innovation from the stakeholder management perspective; Diffusion of innovations theory: The market perspective; Implementation of innovations in organizations (*Learning Simulation*): Confronting the knowing-doing gap; Implementation of innovations in organizations: Key approaches and managerial tools to overcome the resistance; Three tiers of noncustomers: using value innovations to foster product diffusion

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture, multimedia-based learning simulation, case studies, learning videos
- ECTS: 6

Research Seminar on International Innovation Strategies

Main Lecturer: Prof. Dr. Alexander Fliaster; Academic research assistants

Prerequisites: Bachelor degree

Challenges of innovation-based global competition; Innovation strategies and their building blocks; Innovation strategies, competitive strategies, and competitive advantages; Stakeholder management and innovation; The Blue Ocean strategy and value innovation; Disruptive innovations; Business models and business model innovations in global companies; Innovations at the bottom of the pyramid; Innovations in selected industry sectors (e.g. energy industry)

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture, case studies, learning videos
- ECTS: 6

Organizational Innovativeness and Creativity

Main Lecturer: Prof. Dr. Alexander Fliaster; Academic research assistants

Prerequisites: Bachelor degree

Need for business creativity and the definitions of creativity from the psychological and managerial perspective
Impact of creativity and innovation on sustainable competitive advantages
Knowledge combination as the key mechanism of business creativity
Confluence approaches to the study of creativity: Individuals and social environment
Complementarity theory of human capital and social capital and their impact on creativity
Key components of individual creativity and the team creativity

Supportive work environment, innovation climate, and the key managerial approaches to encourage creativity and innovation in organizations

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture, case studies, learning videos

Strategic Technology Management

Strategisches Technologiemanagement

Main Lecturer: Prof. Dr. Alexander Fliaster; Academic research assistants

Prerequisites: Bachelor degree

Technology strategies in organizations; Methods of technology acquisition; Main tools of technology and R&D management: Technology lifecycle, S-curve, portfolio management; Stage-gate approach; Technology Marketing; Innovation ecosystems; Digital technologies and challenges of digital transformation

- Language: German (case studies and videos in German and English)
- Semester: Winter and summer semester
- Teaching Method: Lecture, case studies, learning videos
- ECTS: 6

3.1.5 Organization

Prof. Dr. Martin Friesl

Chair of Organization

Feldkirchenstr. 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-2670

Fax: +49 / 951 / 863-2671

E-Mail: ute.hanss@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/bwl-orga>

Bachelor Courses

Organizing Market Entry and Development Strategies [Org-B-02]

Organisation von Markteintritts- und Marktbearbeitungsstrategien

The focus of this seminar is the application-oriented discussion of market entry and market development strategies of companies. The theoretically grounded course content draws heavily on case studies from international businesses and short presentations from students.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture/seminar
- ECTS: 6

Strategy and Competition [Org-B-04]

This course deals with the strategic management of firms. In particular, we will largely focus on competitive strategy on the level of the business unit or the single firm. We will discuss in-depth, how the competitive environment shapes the profitability in particular market segments and how firms may achieve competitive advantage. While based on contemporary strategy theory, the course is highly practical in nature. Throughout the term you will have the opportunity to apply strategy concepts and theories to real case examples.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Organization: Theory and Practice [Org-B-05]*Organisation: Theorie und Praxis*

This module deals with the fundamental challenges faced by organizations: Why do organizations find it so incredibly hard to adapt to changing environments? Do we need bureaucracy? How are decisions being made? Why do 'second movers' often have advantages over 'first movers'? Based on these challenges we will discuss a number of key theoretical debates in organization theory: coordination, change, legitimacy, hierarchy, organizational structure and routines.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Grand Challenges: Organizational Perspectives and Response [Org-B-06]

This seminar draws on the recent advances in organization theory in order to discuss some of the most important challenges we are facing today. This will involve large-scale corporate fraud, the banking crisis, catastrophes and natural disasters, climate change, poverty in emerging economies, refugees and immigration. Addressing these challenges is a societal, political, economic but also 'organizational' issue. They are issues that require the collaboration of multiple organizational entities across different countries with very different agendas and traditions. As part of the course (and for your assignments), you will engage in-depth with a particular 'grand challenge' as well as a particular theoretical perspective.

- Language: English
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Master Courses**Internationalization of Organizations [Org-M-02]***Internationalisierung von Organisationen*

The aim of the seminar is to establish connections between the management of an international organization and its heterogeneous environment. Students should be able to understand the extent to which different environmental conditions are responsible for the formation of different managerial concepts and internationalization strategies.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Corporate Strategy and Growth [Org-M-05]

This course deals with strategic questions of diversified conglomerates and particularly questions of growth. The course complements strategy courses that deal with competitive/ business level strategy. While 'business level strategy' is concerned with the sources of competitive advantage in a particular industry, corporate level strategy is concerned with the very scope of the firm:

Which businesses should be part of the group and in which countries and regions? How does the group manage the relationship between those businesses in order to achieve synergy? What is the role of corporate headquarters? How should the firm grow? What is the role of M&A and strategic alliances? The module prepares students for careers in large, global companies as well as for jobs in strategy consulting and international professional service firms.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Strategic Renewal and Organizational Transformation [Org-M-06]

This course deals with the challenge of strategic renewal and organizational transformation. We will discuss the challenges behind radical transformation, the triggers as well as the underlying mechanisms and actors. This is a highly interactive course. Rather than on traditional lectures, this course is entirely based on cases as well as role-plays as main pedagogical tools. The objective of the course is to give you the opportunity to ‘experience’ the complexity of strategy making in a university setting. The course will discuss the following key areas: Why do firms only change when it is almost too late? How do new strategies come about? Why do firms find it hard to change? How do firms react to external change? What are the types and mechanism of strategic renewal? How does strategic renewal unfold under distress and financial decline? How is strategic renewal influenced by the organizational context?

- Language: English
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Strategic Practice and Process [Org-M-07]

This seminar focuses on the intersection of strategy and organization theory. More specifically, we will focus on a research field called “Strategy practice and process”. Currently one of the fastest growing research disciplines in strategy and organization research. Rather considering strategy as something organizations ‘have’, this literature focuses what people actually ‘do’ when they make strategy. This shift in perspective gives rise to vastly different research questions and results that are of high relevance for management practice. The seminar will focus on topics such as: The strategy process in organizations, Open strategy, The use strategy tools in practice, The role of space and meetings in strategy formation, language, communication and metaphor, practices of sense-making and sense-giving, issue selling

- Language: English
- Semester: Winter / Summer semester
- Teaching Method: Seminar
- ECTS: 6

Qualitative methodology in strategy and organization research [Org-M-08]

The course takes a process view of qualitative research. A process that goes from the establishment and negotiation of research access, to the collection and analysis of qualitative data through to the writing up of your findings as part of your thesis. Please consider this course a vital preparation for your Master dissertation. The course is designed in a highly practical way. While we will deal with some foundational questions of the philosophy of science the course is very applied. As part of the course you will have ample opportunity to apply different techniques in practice. Topics include: Philosophy of science: Epistemological and ontological perspectives, research design and data collection, reading research articles and organizing your reading, case based designs (single, comparative, nested), interview techniques, observation, ethnography, data analysis (inductive, deductive and abductive forms), coding qualitative data, data display and trail of evidence, academic writing

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

3.1.6 Economics and Business Education

Prof. Dr. Silvia Annen
 Professorship of Business and Human Resource Education
 Kärntenstraße 7
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2725
 Fax: +49 / 951 / 863-2762
 E-Mail: silvia.annen@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/wipaed>

Prof. Dr. Karl-Heinz Gerholz
 Professorship of Business and Human Resource Education
 Kärntenstraße 7
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2725
 Fax: +49 / 951 / 863-2762
 E-Mail: karl-heinz.gerholz@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/wipaed>

Bachelor Program

Introduction to scientific working methods

GwA: Grundlagen des wissenschaftlichen Arbeitens

The aim of this module is to equip students with the skills and techniques necessary to successfully master their degree as well as to meet the demands of professional life. Amongst other things, students will learn how to effectively search for literature and how to structure and compose scientific texts. Furthermore, the students will get an idea of the foundations of empirical research methods. The practical applications are backed by the corresponding concepts of philosophy of science. This module is especially designed for freshmen.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar (e-learning)
- ECTS: 6

Fundamentals of learning

GLA: Grundlagen des Lernens und Arbeitens

This module aims at the question of how people learn. It deals with the biological and psychological preconditions of learning and especially focuses on the interplay of emotional, motivational and cognitive aspects. The course also addresses the influences of learning strategies, learning styles, perception, memory etc. as well as relevant aspects of personal development on learning. We will discuss the implications for an adequate design of learning environments in school as well as in workplace settings. During the whole course examples, target groups and learning environments of vocational learning and education are focused.

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Introduction to vocational education and training

GBB: Grundlagen beruflicher Bildung

This module primarily aims at the question of how to foster learning in vocational education and training. Besides the design of learning environments, the module also deals with the historical development, institutions and stakeholders of vocational education.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Multimedia learning environments

MLU: Multimediale Lernumgebungen

This module provides an overview of theoretical foundations, historical developments and current trends in learning with digital media. While the main focus is put on instructional and didactical design, we will also address technical and organizational issues.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Educational Management

BBM: Betriebliches Bildungsmanagement

This module deals with tasks and roles of corporate education as intersection between business studies and business education. The core issues for example are individual learning and learning in groups, required competencies of the education manager, modes of advanced or further education and training and cetera.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar (e-learning)
- ECTS: 6

Master Courses

Learning and Instruction in Business Education

DDW: Didaktik der Wirtschaftswissenschaften

The aim of the module is to promote a science-based approach to the implementation of complex learning environments in economic contexts. Whereas the lecture addresses strategic knowledge about the instructional design of learning environments, students work on specific problem settings addressing learning scenarios in the exercise course.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar (e-learning)
- ECTS: 6

Research on teaching and learning

LLF: Methoden und Ergebnisse der Lehr-Lern-Forschung

The exercise course deals with basics of empirical research methods and quantitative data analysis in educational research. Selected research approaches, research projects as well as corresponding empirical findings are presented and discussed in the lecture.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Educational media

MD: Mediendidaktik

This module deals with the systematic use of digital media in teaching and instruction. In line with basic

theories of instructional science the didactical design of educational media and multimedia learning environments will be discussed for different settings (school, academia, workplace). We will address specific topics subject to ongoing research projects. The module includes a significant amount of practical work.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Teaching professionalism

LP: Lehrprofessionalität

This module concentrates on the question: What are the professional role and competences of teachers in settings of vocational education and training and how to prepare teachers to deal with heterogeneity? Students will compile some correspondent psychological constructs and proof their effectiveness relating to learning arrangements in order to connect those findings with terms like competence, expertise or professionalism. Students will get sensible to stereotypes and errors in teachers' judgments. They focus cases representative for special target groups and challenges in vocational education and training. They form hypothesis on how these cases developed based on literature review and discuss good solutions how to support pupils. An important part of this module is the mentoring of student study groups.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Human Resource Education

BP: Betriebspädagogik

The module deals with education and training processes within companies with a focus on work based learning. It deals with both the conditions of in-company education and training as well as the introduction and planning of interventions.

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Advanced scientific working methods

FwA: Fortgeschrittenes wissenschaftliches Arbeiten

The especial concern of this module is to develop a solid understanding about basic positions of diverse scientific theories and working methods. Aiming the master thesis students keep themselves busy with all necessary procedures as investigation and evaluation of literature.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 6

3.1.7 Sales and Marketing

Prof. Dr. Björn Ivens

Full Professor of Sales and Marketing & Head of the Sales and Marketing Department

Faculty of Social Sciences & Business Administration

Feldkirchenstraße 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-2566

Fax: +49 / 951 / 863-5566

E-Mail: bjoern.iven@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/bwl-marketing/>

Bachelor Program

Sales and Marketing

Sales and Marketing

An introduction to market-related management tasks. Covers fundamental topics such as market- and customer-orientation, marketing strategy, the marketing mix, marketing intelligence, and administrative decisions in marketing.

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Strategic Brand Management

Strategic Brand Management

Presents the scope of brands and brand management, the process of segmentation, targeting, positioning, and different strategic concepts, such as brand architecture and brand controlling.

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Global Marketing

Global Marketing

Challenges of marketing on international markets with regard to market selection and market entry; market research and application of marketing instruments within the international context.

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Introduction to Marketing Intelligence

Introduction to Marketing Intelligence

Conducting market research projects and linking them to internal market data in order to support sales and marketing decision making.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Business-to-Business-Markets (Online Course virtuelle Hochschule Bayern (vhb, <https://www.vhb.org/en/>))
Business-to-Business-Märkte (Online Kurs der virtuellen Hochschule Bayern (vhb, <https://www.vhb.org/en/>))

This online course covers structure and processes of Business-to-Business-Markets, which differ substantially from Business-to-Consumer-Markets. Further concepts, such as the ARA model and typical B2B actors, such as market research, product managers and trade fairs are presented.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 3

Master Program

Sustainability in Sales and Marketing
Nachhaltigkeit in Vertrieb und Marketing

Covers the fundamental strategic marketing decisions companies need to take, e.g. market selection, competitive strategy, transaction vs. relationship marketing and Corporate Social Responsibility.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Methods of Market Research
Methoden der Marktforschung

Presents the challenges of collecting and analyzing both qualitative and quantitative data in market research.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Business to Business Marketing and Purchasing
Business to Business Marketing and Purchasing

Provides interesting insights in Business to Business Marketing strategies which differ substantially from Business to Consumer Marketing approaches. Also B-to-B purchasing processes are discussed in the details.

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar or lecture
- ECTS: 6

Price Management
Price Management

Discusses the challenges of pricing. Covers managerial approaches in pricing as well as aspects of price-related customer behaviour.

- Language: English
- Semester: Summer semester
- Teaching Method: Seminar or lecture
- ECTS: 6

Seminar: Current Topics in Sales and Marketing
Seminar: Aktuelle Themen in Vertrieb und Marketing

In depth discussion of marketing-related topics, either as a case study seminar or based on group presen-

tations of specific problems; for the master level. The marketing seminar builds on the knowledge of the fields covered in the various marketing courses. The seminar requires particularly active participation.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Research Seminar Internationales Marketing

Forschungsseminar Internationales Marketing

Introduces students to academic research. Every year, a different topic is in the focus of the seminar. Students first receive an introduction to empirical research. They then learn how to read and interpret academic articles. Finally, students conduct an own empirical study and present the result.

- Language: German
- Semester: Winter semester
- Teaching Method: Research seminar
- ECTS: 6

Research Seminar Business to Business-Märkte

Forschungsseminar Business to Business Markets

Introduces students to academic research. Every year, a different topic is in the focus of the seminar. Students learn how to read and interpret academic articles as is required for writing a master thesis.

- Language: English
- Semester: Summer semester
- Teaching Method: Research seminar
- ECTS: 6

Intercultural Challenges in Customer and Account Management

Intercultural Challenges in Customer and Account Management

Content of the seminar are challenges of intercultural communication. The theoretical learning content provided during the course will be deepened by case studies from international companies in sales and furthermore, in order to expand on cultural sensitization, simulation games are conducted.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Blockchain Applications for Business (Online Course virtuelle Hochschule Bayern (vhb,

<https://www.vhb.org/en/>))

Blockchain Applications for Business (Online Kurs der virtuellen Hochschule Bayern (vhb, <https://www.vhb.org/en/>))

This online course introduces blockchain technology and the application from a business perspective. This includes the value proposition of blockchain technology, blockchain applications in different areas of business and blockchain from a legal, ethical, societal, and ecological perspective.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 6

3.1.8 Banking and Financial Control

Prof. Dr. Matthias Muck
 Chair of Banking and Financial Control
 Kärntenstr. 7
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2091
 Fax: +49 / 951 / 863-2092
 Email: bwl-bfc@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/en/bwl-bfc/>

Bachelor Program

BFC-B-01: Introduction to Banking and Financial Control

Einführung in das Banking und Finanzcontrolling

Main Lecturer: Prof. Dr. Matthias Muck

The course is an introduction into the field of banking and financial control. At first students learn the fundamental theories and concepts of finance, management control, and accounting. Furthermore, the course deals with theoretical principles of financial intermediaries and derivative trading as well as the state preference theory. The module covers the following aspects:

Business objectives and decisions; Fisher separation; Financial decision accounting under certainty; Accounting and financial decision accounting; Financial ratios; Financial control, capital costs and valuation under uncertainty; Financial instruments; Derivatives; State preference theory

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture, practicals
- ECTS: 6

BFC-B-02: Financial Intermediaries

Bankbetriebslehre

Main Lecturer: Prof. Dr. Matthias Muck

The course deals with the financial control of financial intermediaries. Financial control is especially relevant for banks in light of the complex regulation these market agents are faced with. In a first step economic theory concerning the management of banks is presented. Next, some insight into the regulation of banks is given. Finally, the course deals with approaches to cost accounting of banks. The module covers the following aspects:

Financial Intermediaries in Germany; Theory of Financial Institutions; Capital market business of Banks; Regulation of Banks; Cost Accounting in Banks

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture, practicals
- ECTS: 6

BFC-B-03: Cases in Corporate Finance

Main Lecturer: Prof. Dr. Matthias Muck

In this seminar, we apply important concepts from capital market theory by considering real world case studies. Thus, the course aims at closing the gap between financial theory and practice. It highlights the immediate applicability of the – at first glance – purely theoretical results. The course concentrates on methods and concepts relevant to the corporate finance business of banks (i.e. M&A, debt and equity issuance). Class participants are expected to discuss cases in small study groups and develop possible solutions to problems described therein. The module covers the following aspects:

Corporate Financing Decisions; Uncertainty; Portfolio Choice; Capital Asset Pricing Model; Financial Planning;

Discounted Cash Flow Approach (DCF) to Company Valuation; Project Valuation; Estimating the Cost of Capital; Divisional Cost of Capital; Financing M&A Transactions; Leveraged Recapitalization; The Value of Control

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture and case discussions
- ECTS: 6

BFC-B-05: International Entrepreneurship

Internationales Entrepreneurship

Main Lecturer: Prof. Dr. Matthias Muck

The course focuses on Entrepreneurship and business start-up within an international business surrounding. After some introductory lectures, students are required to develop their own business model in small groups and draft their ideas within a business plan. Class participants will present their business model as well as their business plan to the seminar group at the end of the semester. The module is structured as follows:

Introduction to Entrepreneurship; Business Plans; Generation of Business Ideas; Presentation of the drawn up Business Plans

- Language: German
- Semester: Summer semester
- Teaching Method: Presentation
- ECTS: 6

BFC-B-06: Startup and SME Business Planning - The Businessplan as a Planning Tool

Businessplanerstellung – Der Businessplan als Planungstool für Startups und KMU

Main Lecturer: Dr. Markus Wolf

The module provides an overview on entrepreneurship. Focus is to create your own business plan in the course of the semester. The business plan and in particular the enclosed financial planning serve as a decision-tool. The plan needs to show the planned economic development and thus the sustainability of the project. The module covers the following aspects:

Executive Summary; Benefits and value proposition; Market & competitive analysis; Marketing & sales; Business model; Opportunities & risks; Implementation timetable; The entrepreneurial team

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Lecture and case discussions
- ECTS: 6

BFC-B-07: Personal Wealth Management

Main Lecturer: Tobias Kaufmann

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 6

Master Program

BFC-M-01: Financial Innovation

Main Lecturer: Prof. Dr. Matthias Muck

This course enables students to understand and analyse the most important financial innovations. They learn

the valuation of Forwards/Futures and their use in risk management. Furthermore, options are priced in discrete and continuous time. Students learn the binomial model, the Black/Scholes model and its extensions (structured products, American contracts). In addition, we consider options on futures, which are of high practical relevance. A particular focus is put on the state preference theory and its implication for valuation purposes (the optimal asset allocation on a complete market, the assessment of risk and the risk neutral probability measure). The module is organized as follows:

Forward and Futures; Option Markets; Binomial Option Pricing; Black/Scholes World; Generalizations of the Black/Scholes World; Options on Futures; The practical implementation of theoretical concepts is also studied in the context of mini case studies and problems.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture, practicals
- ECTS: 6

BFC-M-02: International Finance

Main Lecturer: Prof. Dr. Matthias Muck

This course deals with models in international capital market theory. Students learn basic models to forecast exchange rates and to value securities and derivatives. More precisely, the course covers international exchange rate parities, the International Capital Asset Pricing Model, as well as the binomial model and the Black/Scholes model for the valuation of currency options. The module is organized as follows:

Exchange Rates; Global Capital Sourcing and Investing; Cross Currency Swaps; Exchange Rate Futures and Options; International Asset Pricing; International Capital Budgeting

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture, practicals
- ECTS: 6

BFC-M-03: Fixed Income Instruments

Main Lecturer: Prof. Dr. Matthias Muck

This course introduces the most important pricing and risk management models for fixed income instruments. Students analyse and learn about fixed income instruments, e.g. coupon bonds, floating rate notes, fixed income futures- and forward contracts as well as interest rate swap contracts and options. The course is structured as follows:

Interest Rates; Bond Markets; Bond Forwards & Futures; Interest Rate Swaps; Credit Risk; Interest Rate Options; Ho-Lee Model

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture, practicals
- ECTS: 6

BFC-M-04: Research Issues in Banking and Financial Control

Forschungsfragen im Bereich Banking und Finanzcontrolling

Main Lecturer: Prof. Dr. Matthias Muck

In this seminar, students deal with current research issues in banking and financial control. Seminar topics include problems in the subject areas of banking, insurance, and capital market theory. The scope can be empirical or theoretical in nature.

- Language: German
- Semester: Summer semester
- Teaching Method: Presentation
- ECTS: 6

BFC-M-07: Insurance and Asset Management

Main Lecturer: Dr. Michael Herold

This course addresses central questions in the areas of insurance and asset management. After an introductory treatment of the fundamentals of insurance, students deal with the demand for insurance from a decision-theoretic point of view. Afterwards, the supply of insurance is treated by considering aspects of traditional premium calculation, risk management, financial insurance pricing, and regulation. The course further focuses on the subject of life insurance. The course is structured as follows:

Introduction to Insurance; Decisions under Uncertainty; Insurance Demand; Insurance Supply & Risk Management in Non-Life Insurance; Life Insurance

- Language: German (winter semester) / English (summer semester)
- Semester: Winter and summer semester
- Teaching Method: Lecture and case discussions
- ECTS: 6

BFC-M-08: Financial Engineering

Main Lecturer: Prof. Dr. Matthias Muck

In this seminar, students deal with research issues in the area of financial engineering. Key topics are first introduced in a lecture and are then deepened in seminar papers dealing with specific problems. The course is structured as follows:

Introduction: Financial Innovation and Fixed Income; Volatility Smiles; Short Rate Models: An Overview; Hull White Model; Derivatives on Electricity

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture, practicals, advanced seminar
- ECTS: 6

3.1.9 Finance

Prof. Dr. Andreas Oehler

Chair of Finance

Kärntenstraße 7

D-96052 Bamberg

Tel.: +49 / 951 / 863-2537

Fax: +49 / 951 / 863-2538

Email: info.bwl-finanz@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/bwl-finanz/>

Bachelor Program

Introduction in Finance and Investment [Fin-B-01]

Einführung in Finanzierung und Investition

Introduction to Corporate Finance and Financial Management, Financial Markets, Financial Intermediation and Financial Risks; Venture Finance and Going Public; Case studies on startups and entrepreneurship with a focus on budgetary planning and liquidity. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Winter semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

International Corporate Finance [Fin-B-04]*Internationale Unternehmensfinanzierung*

Introduction to Corporate Finance and Financial Management, Financial Markets, Financial Intermediation and Financial Risks; Venture Finance and Going Public; Case studies on startups and entrepreneurship with a focus on budgetary planning and liquidity / international focus. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Winter semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

Models of Financial Markets and Strategic Risk Management [Fin-B-06]*Finanzmarktmodelle und Strategisches Risikomanagement*

Informational efficiency and pricing in financial markets; General theories on equity pricing: Efficiency concept, random walk, fair game model, rational expectations, empirical results; Portfolio theory and decision theory; Theoretical market models: State preference approach, CAPM, APT, empirical results; decision making under risk; Fundamentals in risk management; Pricing risks; Market risk analysis; Market risk control. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Summer semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

Master Program**Strategic Financial Management and Corporate Governance [Fin-M-02]***Strategisches Finanzmanagement und Corporate Governance*

The market for corporate control; Corporate governance & control: Shareholder Value concept and theory of the firm; international legal framework; Corporate governance & control: Investor protection and insider violations, an international comparison. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Summer semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

Capital Structure and Corporate Valuation [Fin-M-03]*Kapitalstruktur und Unternehmensbewertung*

Capital Structure and cost of capital: The traditional view; empirical evidence; Capital Structure and cost of capital: New concepts; empirical evidence; High yield bonds; Rating: Theoretical framework and methods; Rating consequences: Rating migration, rating changes; Payout policies. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Summer semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

Financial Markets and Financial Systems [Fin-M-04]*Finanzmärkte und Finanzsysteme*

Inefficiency and pricing in financial markets; Stock exchanges as financial intermediaries; Market microstructure: Theoretical framework, empirical & experimental results; Noise trading; Decision under

ambiguity; Behavioral Finance: Theories, concepts, empirical & experimental results; investment strategies, disposition & endowment effect, prospect theory, analysts' behavior, overconfidence, home bias, herding; social responsible investments; neuro-finance; regulation & legal framework. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Winter semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

Corporate Financial Analysis and Rating [Fin-M-05]

Unternehmensanalyse und Rating

Performance & risk management; risk management process: identification, valuation, management and control; financial analysis of a company & valuation: instruments, structures and models; solvency and expected loss; early detection of risks; consequences of ratings for prices on bond markets; spill-over-effects of ratings; rating and regulation. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Winter semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

Empirical and Experimental Research in Capital Markets [Fin-M-06]

Empirische und experimentelle Finanzmarktforschung

Empirical research in finance: models, structures & instruments; experimental research in finance: diversity & characteristics; qualitative and quantitative research methods; empirical and experimental research in financial market structures; empirical and experimental research in market behavior; practical implications for financial markets and market microstructure; practical implications for economic behavior and laboratory experiments; implications for economic practice. (Important: Individual term of application, please look at notice board for current news).

- Language: German
- Semester: Winter semester
- Teaching Method: Lectures, presentations & discussion
- ECTS: 6

3.1.10 Supply Chain Management

Prof. Dr. Alexander Pflaum

Chair of Supply Chain Management

Feldkirchenstr. 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-1771

Fax: +49 / 951 / 863-1777

E-Mail: bwl-scm@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/bwl-scm>

Bachelor Program

Principles of Service Engineering [SCM-B-01]

Grundlagen des Service Engineering

Service Engineering is designed as an introductory course. Students will learn to understand the basics of modeling services and the development of services. Further, they will learn to do this by means of appropriate procedures and methods. Practical examples from logistics and supply chain management will contribute to a better understanding of the content. Relevant business theories are, for example, Resource Based View (RBV),

Service Dominant Logic (SDL), Service Engineering (SE) and New Service Development (NSD).

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture, practical seminar
- ECTS: 6

Supply Chain Management and Digitalization [SCM-B-03]

Supply Chain Management und Digitalisierung

This course is designed as an introductory course to Supply Chain Management (SCM) and digitalization. The background is the steadily increasing digitization of value chains. The students will learn general and branch-specific concepts of supply chain management. Further, they will be able to understand trends towards digitization and their impact on the living and working world and the links to Supply Chain Management. Relevant business theories are, for example, network, transaction cost, and principal-agent theory. The module lays the foundations for further lectures about the use of modern information and communication technologies (ICT) in logistics as well as the designing of innovative services for logistics and Supply Chain Management.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture, practical seminar
- ECTS: 6

Master Courses

Technologies of Radiofrequencies in Logistics I [SCM-M-01]

Funktechnologien in der Logistik I

Technologies of Radiofrequencies in Logistics I is designed to be an introductory lecture. The students would get to know existing basic technologies of the “internet of things” the required complementary innovations for an implementation. Subsequently the students would understand the functionality of the RFID-technology and conduct technological and managerial evaluation of the application of the products and systems. This will be possible studying the relevant basics and methods.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture, practical seminar
- ECTS: 6

Technologies of Radiofrequencies in Logistics II [SCM-M-02]

Funktechnologien in der Logistik II

Technologies of Radiofrequencies in Logistics II is designed to be a continuative lecture to Technologies of Radiofrequencies in Logistics I. The students should understand the functionality of sensor-tags, wireless-networks and real-time-locating systems and be able to evaluate the application of the products and systems in a technological and managerial way. The students will be taught the relevant basics, methods and procedures.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture, practical seminar
- ECTS: 6

Product and Service Innovation for Supply Chain Management [SCM-M-03]

Produkt- und Dienstleistungsinnovationen in der Supply Chain

Innovative products and services will play a further increasingly important role within future logistics and the Supply Chain Management of the future. Special emphasis in this context should be placed on so-called Value Added Services (VAS) as well as on technologies for automatic identification and data capturing (AIDC). This course is therefore designed to examine the development and design of sustainable and viable products and services. For this purpose, students will acquire current research questions and problem within small working

groups from a consistently scientific perspective. They will furthermore be enabled to interlink these issues with theoretical knowledge, methods and competencies acquired during their previous studies.

It is highly recommended to attend the courses **Technologies of Radiofrequencies in Logistics I and II** before applying for this seminar.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Management of Logistics Services in the Supply Chain [SCM-M-04]

Management von Logistik-Dienstleistungen in der Supply Chain

Major objective of the course is to equip students with a sound understanding of processes and key business challenges within the field of transportation and logistics services, to equip them with a modern repertoire of standard solutions, instruments and methods, and to support the ability to adopt and apply theory fundamentals of different disciplines into the field. Students learn to understand the service supply chains of logistics service providers in the context of their specific business models integrating aspects such as specific value propositions, different revenue models, and different architectures of the resource basis involved. They use their knowledge to analyze and compare such models, identify problems or dilemmas, and they are enabled to assess the potential of specific innovative positions, approaches or solutions.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Project Workshop for the Design of Information Services in the Digital World [SCM-M-05]

Projektwerkstatt für den Entwurf von Informationsdienstleistungen in der digitalen Welt

- Identification and Evaluation of Information-based-Services based on creativity and portfolio method in a Kick-Off session
- Application of a Service Engineering Process Model and the respective methods during desk research as group work
- Discussion of the research results in regular project meetings, accompanied by teaching staff
- Final presentation of project results in a final meeting to a project committee
- Documentation of the groups' results in a paper

The seminar is designed to enhance the student's methodological experience and to extend the student's skills in group- and project work. Students will work on a real life question in order to develop a modern, technology and information based service concept, through applying the Nuremberg Service Engineering Binocular (NSEB), its iterative process and its questions and methods.

It is highly recommended to attend **all other remaining courses** of this chair before applying for this seminar.

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

3.1.11 Operations Management and Business Logistics

Prof. Dr. Eric Sucky
 Chair of Operations Management and Business Logistics
 Feldkirchenstr. 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2519
 Fax: +49 / 951 / 863-2520
 E-Mail: eric.sucky@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/pul>

Bachelor Courses

Production & Logistics Management I

Produktions- und Logistikmanagement I

Basic structures and concepts of production and logistics; production theory, cost theory.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture & tutorial
- ECTS: 6

Production & Logistics Management II

Produktions- und Logistikmanagement II

Principles and basic structures and concepts of production and logistics management: forecasting, production planning, material requirements planning, purchasing decisions, lot sizing, production scheduling.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture & tutorial
- ECTS: 6

Logistics

Logistik

Basic logistical concepts; importance of logistics; objectives of business logistics, process management; activity-based costing; order processing, vehicle routing and scheduling; freight consolidation; transportation planning problems; purchasing and supply chain scheduling decisions.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture & tutorial
- ECTS: 6

Master Courses

Operations Management

Operations Management

Introduction to Operations Management; Production Planning & Control; Auctions; Decision Trees; Production lot sizing; Inventory Management; Newsvendor model; Flexibility; Assembly line balancing; Order release and scheduling.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture & tutorial
- ECTS: 6

Supply Chain Management*Supply Chain Management*

The course provides an overview of supply chain management. To substantiate the concept, a definition, goals, tasks, and major challenges are identified. This serves as the foundation of a theoretical framework, which consists of three elements: (1) enabling processes, (2) enabling technologies, (3) enabling people. Moreover, special emphasis is placed on how to establish sustainability in supply chains.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture & tutorial
- ECTS: 6

Operations Research*Operations Research*

The lecture discusses general optimization methods that are frequently applied in transportation and production planning. Methods include the simplex algorithm, branch and bound algorithm, as well as several heuristics. After introducing basic concepts of graph theory, Markov chains are discussed, which are taken as basis for a detailed insight into queuing theory. To overcome boundaries of analytical solutions for queuing problems, simulation is introduced, which also includes some basic methods of random number generation. Students should be aware that the subject is quite quantitative and, therefore, requires a solid mathematical background.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture & tutorial
- ECTS: 6

3.2 Module Description: Political Science

3.2.1 International and European Politics

Prof. Dr. Thomas Gehring
 Chair of International Relations Feldkirchenstr.21 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2723
 E-Mail: thomas.gehring@uni-bamberg.de
 Internet: <https://www.uni-bamberg.de/en/polib/>

Prof. Dr. Monika Heupel
 Junior Professor for International and European Politics
 Feldkirchenstr.21 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2723
 E-Mail: monika.heupel@uni-bamberg.de
 Internet: <https://www.uni-bamberg.de/en/polint/team/profdr-monika-heupel/>

Bachelor Program

Lecture Introduction to International and European Politics

Vorlesung Einführung in die Internationale und Europäische Politik

Diese Vorlesung soll einen Überblick über zentrale Fragen der Politikwissenschaft in dem weiten Feld der internationalen und europäischen Politik geben. Sie erstreckt sich insbesondere auf drei Bereiche. Erstens geht es um die Außenpolitikanalyse sowie um die Außenpolitik der Bundesrepublik. Zweitens werden die Möglichkeiten und die Grenzen des Regierens im internationalen System ausgelotet und die damit verbundenen Probleme erfasst. Drittens wird dem Prozess der Europäischen Integration sowie der in seinem Rahmen entstandenen Europäischen Union nachgegangen. Zu jedem dieser Bereiche werden sowohl zentrale Fragen und Zusammenhänge als auch das für ihre Analyse notwendige theoretische Instrumentarium herausgearbeitet und mit empirischen Beispielen illustriert. Die Vorlesung ist sowohl zum Einstieg in das Teilgebiet Internationale und europäische Politik als auch als separate Veranstaltung für Hörer/innen aller Fächer geeignet. Zur Vorlesung wird, anstelle eines Skriptes, für jede Sitzung ein zentraler wissenschaftlicher Text auf dem Virtuellen Campus bereitgestellt. Der frühzeitige Besuch der Vorlesung wird allen Neueinsteiger/innen in das Teilgebiet Internationale und europäische Politik dringend empfohlen. Das ‚Proseminar internationale und europäische Politik‘ kann gut parallel besucht werden.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 5

Proseminar Introduction to International and European Politics

Proseminar Internationale und europäische Politik

Das Proseminar findet in Anlehnung an die Einführungsvorlesung statt und dient damit auch dazu, den grundlegenden Stoff der Vorlesung zu vertiefen und exemplarisch anzuwenden. Thematisch umfasst es die drei Themenbereiche der Einführungsvorlesung, nämlich internationale Institutionen, Europäische Integration und Außenpolitikanalyse. In kleinen Gruppen wird exemplarisch in das wissenschaftliche Arbeiten im Feld der internationalen und europäischen Politik eingeführt. Einzelthemen werden durch die Diskussion wissenschaftlicher Texte, Gruppenarbeiten und Referate der Teilnehmer/innen erarbeitet, die die Grundlage für kürzere schriftliche Ausarbeitungen (Essays) liefern.

- Language: German/English

- Semester: Winter and summer semester
- Teaching Method: Proseminar
- ECTS: 5

Seminar International and European Politics

Seminar Internationale und europäische Politik

Die thematisch unterschiedlichen Seminare befassen sich jeweils mit einem enger gefassten Problembereich aus dem Gebiet der internationalen und europäischen Politik. Jedes Seminar behandelt zudem eine spezifische Forschungsmethode, die im Gebiet der internationalen und europäischen Politik von besonderer Relevanz ist. Von den Studierenden wird erwartet, dass sie sich einzeln oder in kleinen Gruppen in ein Thema einarbeiten und die Ergebnisse der eigenen Recherche im Seminar vorstellen. Die Referate bilden gleichzeitig die Grundlage für schriftliche Hausarbeiten. Im Zentrum steht die Entwicklung klarer Fragestellungen und deren wissenschaftliche Umsetzung. Wünschenswert ist die Bezugnahme auf geeignete theoretische Analyseansätze. Teilnehmer/innen des National-Model-United-Nations-Projektes können dieses Modul nach Angebot auch im Rahmen des NMUN-Projektseminars absolvieren.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Advanced Seminar International and European Politics

Vertiefungsseminar Internationale und europäische Politik

Im Vertiefungsseminar werden aktuelle Themen der internationalen und europäischen Politik insbesondere anhand von Referaten und Präsentationen der Teilnehmer/innen vertieft untersucht. Einzelthemen werden durch die Diskussion wissenschaftlicher Texte und durch Referate und Präsentationen der Teilnehmer/innen erarbeitet. Die Referate bilden gleichzeitig die Grundlage für schriftliche Hausarbeiten. Im Zentrum stehen die Entwicklung klarer Fragestellungen und deren wissenschaftliche Umsetzung unter Bezugnahme auf einen geeigneten theoretischen Analyseansatz. Die Veranstaltung bereitet auch auf die Bachelorarbeit im Teilfach internationale und europäische Politik vor. Teilnehmer/innen des National-Model-United-Nations-Projektes können dieses Modul nach Angebot auch im Rahmen des NMUN-Projektseminars absolvieren.

- Language: German/English
- Semester: Winter and summer semester
- Teaching Method: Advanced Seminar
- ECTS: 8

National Model United Nations “How the United Nations works” (BA)

This seminar is designed to support delegates of the National Model United Nations (NMUN) project at the University of Bamberg. The seminar will teach, on an academic level, how one of most important international organizations, the United Nations, can be conceptualized and empirically analyzed. In a first section, the seminar focuses on the UN’s structure, the actors in the UN system and the fundamental principles of international law. In a second section, the seminar will consider the major policy fields of the UN: international peace and security, human rights and development. In a third section, students will learn more practically oriented skills for working in the UN system: patterns of UN decision-making, the art of negotiation and the role of UN language.

- Language: English
- Semester: Winter semester
- Teaching Method: Bachelor seminar, Master seminar
- ECTS: 6/8

Master Program

Lecture International and European Politics I

Vorlesung (MA): Internationale und europäische Politik I

Im Zentrum dieser in englischer Sprache abgehaltenen Vorlesung steht die Analyse der unterschiedlichen Regulierungsprobleme und Integrationslogiken ausgewählter europäischer Politikbereiche. Untersucht werden neben der für den Integrationsprozess zentralen Binnenmarktpolitik etwa wichtige regulative (Umwelt- und Sozialpolitik) und distributive Politikbereiche (Agrar- und Regionalpolitik) sowie die besonders stark zentralisierten Politiken (Wettbewerbs- und Währungspolitik) und die Außenpolitik. Im Zentrum steht jeweils die Frage, wie diese Politiken funktionieren, welche grundlegende Interessenkonstellation unter den Mitgliedstaaten dominiert und wie unterschiedliche Grade der Supranationalisierung sowie jeweils spezifische Entscheidungsprozesse und institutionelle Voraussetzungen die Politiken prägen.

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Master Seminar International and European Politics II

Hauptseminar: Internationale und europäische Politik II

Im Zentrum dieses Hauptseminars steht das theoretische Instrumentarium zur Analyse der Funktions- und Wirkungsweise internationaler Institutionen, die angesichts fortschreitender Globalisierung zunehmend ein „funktionales Äquivalent“ zum steuernden Staat bilden. Die lebhaftere Institutionenforschung hat sich inzwischen zahlreichen Facetten und Problemen gewidmet, die die allgemeine Kooperationstheorie erweitern und ergänzen. In der Veranstaltung wird anhand theorieorientierter Texte etwa untersucht, wie internationale Institutionen ein Mindestmaß an Legitimität gewinnen können, wie Verhandlungen als vorherrschender Koordinationsmechanismus funktionieren und mit welchen Ergebnissen zu rechnen ist, welche Gründe die Mitgliedstaaten haben, Entscheidungskompetenzen auf andere Akteure zu delegieren und mit welchen Folgen dies verbunden ist, und welche Rolle Nichtregierungsorganisationen im Rahmen solcher Institutionen spielen können. Die Teilnehmer/innen bereiten ausgewählte Einzelthemen auf Grundlage vorgegebener Texte durch Referate vor, die die Grundlage sowohl für die Plenumsdiskussionen als auch für die nachfolgenden Essays bilden.

- Language: German or English
- Semester: Summer semester
- Teaching Method: Master Seminar
- ECTS: 8

Master Seminar International and European Politics III

Hauptseminar: Internationale und europäische Politik III

Gegenstand dieses Seminars sind jeweils unterschiedliche Aspekte der Europäischen Integration, z.B. der europäische Binnenmarkt, die Außenbeziehungen der EU oder Governance im Rahmen der Europäischen Union. Einzelthemen werden durch die Diskussion wissenschaftlicher Texte und durch Referate und Präsentationen der Teilnehmer/innen erarbeitet; Referate bilden auch die Grundlage für die nachfolgende Hausarbeit. Die Veranstaltung bereitet auch auf die Abschlussarbeit im Teilgebiet internationale und europäische Politik vor.

- Language: German or English
- Semester: yearly
- Teaching Method: Master Seminar
- ECTS: 8

Master Seminar International and European Politics IV*Hauptseminar: Internationale und europäische Politik IV*

In dem Seminar werden Entwicklungen in der Außen- und Sicherheitspolitik unter jeweils einem spezifischen Aspekt behandelt, z.B. Staatsversagen als Herausforderung für die Außenpolitik, der Weltsicherheitsrat als Bühne für die Außen- und Sicherheitspolitik der Mitgliedstaaten oder außenpolitische Präferenzbildung. Einzelthemen werden durch die Diskussion wissenschaftlicher Texte und durch Referate und Präsentationen der Teilnehmer/innen erarbeitet; die Referate bilden auch die Grundlage für die nachfolgende Hausarbeit. Die Veranstaltung bereitet auch auf die Abschlussarbeit im Teilgebiet internationale und europäische Politik vor.

- Language: German or English
- Semester: yearly
- Teaching Method: Master Seminar
- ECTS: 8

Master Seminar International and European Politics V*Hauptseminar: Internationale und europäische Politik V*

In dem Seminar werden Entwicklungen in der internationalen Politik unter jeweils einem spezifischen Aspekt behandelt, z.B. Verrechtlichung in den internationalen Beziehungen; Nord-Süd-Beziehungen, Institutionenkomplexe oder Regieren durch internationale Umweltbeziehungen. Einzelthemen werden durch die Diskussion wissenschaftlicher Texte und durch Referate und Präsentationen der Teilnehmer/innen erarbeitet; die Referate bilden auch die Grundlage für die nachfolgende Hausarbeit. Die Veranstaltung bereitet auch auf die Abschlussarbeit im Teilgebiet internationale und europäische Politik vor.

- Language: German or English
- Semester: yearly
- Teaching Method: Master Seminar
- ECTS: 8

National Model United Nations “How the United Nations works” (MA)*Hauptseminar: Internationale und europäische Politik VI*

This seminar is designed to support delegates of the National Model United Nations (NMUN) project at the University of Bamberg. The seminar will teach, on an academic level, how one of most important international organizations, the United Nations, can be conceptualized and empirically analyzed. In a first section, the seminar focuses on the UN's structure, the actors in the UN system and the fundamental principles of international law. In a second section, the seminar will consider the major policy fields of the UN: international peace and security, human rights and development. In a third section, students will learn more practically oriented skills for working in the UN system: patterns of UN decision-making, the art of negotiation and the role of UN language.

- Language: English
- Semester: Winter semester
- Teaching Method: Bachelor seminar, Master seminar
- ECTS: 8

3.2.2 Chair for the Governance of Complex and Innovative Technological Systems

Prof. Dr. Sofia Pagliarin
 Chair for the Governance of Complex and Innovative Technological Systems
 Feldkirchenstraße 21 / F-21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2738
 Fax: +49 / 951 / 863-5738
 E-Mail: sofia.pagliarin@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/complexsys>

Bachelor Courses

S: Governance of Technological Systems: From Plan to Practice in Public Policy

S: Steuerung technischer Systeme: From Plan to Practice in Public Policy

Public decision-making is a complex process: it is already difficult to get people take a decision, and then the implementation phase starts, which is usually fraught with problems, unforeseen events and changes of direction. Public policy making and policy implementation are just two of the stages in the “policy cycle” we will examine during this course. Although a linear view of decision-making and policy implementation exists, stages in the policy cycle are often not clearly separable, and the stages might not “cycle” as smoothly as foreseen: for instance, what appeared as a good and quick solution at an earlier stage might turn out to be a rather short-sighted decision at a later stage. We will also examine our role as citizens in public decision-making: how can individual citizens address and be involved in public policy? Which policies should be given priority to? And, once decided, how can we make sure that our plan is carried out as intended – and that it actually works -, while ensuring that the “right” policies are adopted rather than serving powerful interests?

In this course, we will learn about concepts and theories that can help us understand what happens in the often chaotic process of public policy making and implementation. First, we will clarify what the so-called “policy cycle” is, and how “heuristics” (a kind of cognitive shortcut) can be helpful to approach the complexity of the policy cycle. We will learn how decisions are taken given uncertainty and complexity, while also having to deal with the legacies of earlier decisions. We will also analyze public policy in the governance of complex technological systems as a characterizing topic of the Chair for the Governance of Complex and Innovative Technological Systems.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

VS: Governance of Technological Systems: Analyzing Megaprojects

VS: Steuerung technischer Systeme: Analyzing Megaprojects

Megaprojects are, by definition, “big infrastructures”; examples of megaprojects are cross-border bridges, high-speed railways, airports, opera houses and the (so far) tallest skyscraper of the world. Megaprojects have become a characterizing phenomenon of contemporary urban contexts: they are found all over the world. However, the majority of these multi-million-worth infrastructures comes with significant risks, often resulting in huge time and budget overruns. If one only looks at Germany, the Berlin-Brandenburg Airport (BER), Stuttgart 21 and the Elbphilharmonie come to mind. Many times, we bluntly consider these megaprojects as “failures”... but are they? And if so, how can we evaluate them as “failure” or “success” cases? To reply to this question, during this course we will, on the one hand, unpack the individual “story” of a selection of megaprojects through the analysis of empirical case studies. On the other hand, we will identify the main factors that contribute to megaprojects’ outcomes by using appropriate analytical tools that can be applied to different empirical cases. We will examine the involved actors and their governance arrangements (e.g. types of public-private partnerships mostly used for megaprojects’ implementation), the technological aspects of the

project (e.g. standard or “first-time” techniques), the unforeseen (or only partially foreseen) events and the complex contextual conditions that can affect megaprojects' management and implementation. A selection of methods to analyze the complexity of megaprojects formulation and implementation will also be discussed to understand how these methods can be useful in explaining megaprojects' outcomes.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 8

S: Governance of Technological Systems: Why things are Complex: An Introduction to the Complexity of Governance

S: Steuerung technischer Systeme: Why things are Complex: An Introduction to the Complexity of Governance

This course offers a broad analytical perspective on socio-technological studies and the persistent issues in the governance of complex technological systems, such as nuclear power plants, risk, genetic technology or the implementation of large-scale projects. How does technological innovation emerge, and which is its connection to society? Why do things “go wrong” in complex systems, such as a nuclear power plant or a hospital? What does “complexity of governance” mean, and how can we account for it? How do governance actors deal with accidents? What does risk perception mean, and what possibilities are available to actors to control such systems? Does culture affect technological development, and can technology be a tool for emancipation? (Possible) Answers to these questions are addressed during the course by examining a wide range of theories and insights that we will discuss in class, also through a variety of examples. The seminar is taught in English. The seminar can also be considered a “teaser” for students in Political Science who might consider enrolling in the Master Program “Governance of Complex Technological Systems”.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

PS: Academic Skills

PS: Grundlagen politikwissenschaftlichen Arbeitens

The seminar introduces students to the basic academic skills and competences necessary to succeed in the education itinerary in political science at the bachelor level. At the beginning of the course, students will be introduced to the main concepts of political science, as well as to the arrangement of the Department of Political Science at Bamberg University. A key learning goal of the course is to understand how to pose and independently develop relevant research questions for academic research in political science. To this aim, during the course we will learn how to systematically search for scientific resources and how to properly cite them. Students will also learn about tools to efficiently structure and write presentations and papers, including standards and good practices in scientific research. We will also examine together how to effectively hold a presentation in class and which presentation skills are most useful. In the last sessions, students will also be introduced to the logic of scientific argumentation. The Academic skills course is held in English and literature in English is used in the Syllabus. The course content retraces the “Grundlagen politikwissenschaftlichen Arbeitens” which is held in German.

- Language: English
- Semester: summer semester
- Teaching Method: Seminar
- ECTS: 4

Master Courses

V: Governance of Complex Technological Systems I: Governance of Technological Systems

V: Steuerung technischer Systeme I: Governance of Technological Systems

For long, technology has had a major influence on politics and policy. For example, the arrival of the railway meant that geographical distances changed completely, bringing towns closer to central powers but also giving

those towns a means to develop a more independent course. Technology still plays an important role between society, governments and the market. This relationship has become increasingly complex as technological systems expand and impact many aspects of daily life. But what does it exactly mean to say that the complexity has increased? What characterizes the relationship between technology and governance? And what does governance look like in the face of technological change? This lecture series addresses these questions. We will discuss various theoretical concepts from the realm of complex systems that can help us in analyzing and understanding the issues raised here. Using empirical examples, we will look at dynamical aspects such as feedback, self-organization, path-dependency and chance. We will then shift our focus to several pressing challenges such as energy transitions and the governance of the dark web. Combining all these insights will give us a better understanding and appreciation of why governance works or fails under various circumstances.

- Language: English
- Semester: Winter Semester
- Teaching Method: Lecture
- ECTS: 6

HS: Governance of Complex Technological Systems IV: Governance in the Digital Age

HS: Steuerung technischer Systeme IV: Governance in the Digital Age

It may seem ages ago that people like you and me could afford a computer at home and access the internet. Yet, historically speaking, it all has happened in the blink of an eye. The evolution of digital technology outpaces the politics and policy to such an extent that politicians and administrators have a hard time keeping up with things. There is no denying that the digital age has a profound impact on society. This impact ranges from the simple (e.g. looking up information) to the more complex (e.g. securely engaging with public services via the internet), to the wicked (e.g. the dynamics of toxic online communities). The impact of digital technology will be a lasting one. As such, it is of pivotal importance that we get a better understanding of what digital technology means in all its facets, as well as what its implications for politics and policy are. These are the core themes of the course.

- Language: English
- Semester: Summer and Winter Semester
- Teaching Method: Seminar
- ECTS: 8

Qualitative Methods of Comparative Social Inquiry: Qualitative Methods of Social Inquiry

HS: Politikwissenschaftliche Methoden II: Qualitative Methods of Social Inquiry

This seminar offers a broad but thorough introduction to the field of qualitative methods. It aims to situate the use of qualitative methods in different research traditions in order to uncover their respective advantages and limitations. This course, aimed at students with no prior knowledge of qualitative methods, will focus on sampling, data collection through various field methods such as interviews, and the analysis of data using MaxQDA software. We will also discuss the broader questions of ethics in social science research.

- Language: English
- Semester: Summer and Winter Semester
- Teaching Method: Seminar
- ECTS: 8

3.2.3 Political Sociology

Prof. Dr. Marc Helbling
 Chair of Political Sociology
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2706
 Fax: +49 / 951 / 863-5706
 E-Mail: marc.helbling@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/polsoz/leitung>

Basic Studies (1st and 2nd year)

Introduction to Political Sociology

Einführung in die Politische Soziologie

Political attitudes and political behavior, their origins and their interrelation; in the lecture the most important theoretical approaches are taught with a focus on the micro level (political attitudes and political behavior of individuals).

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 5

Seminar in Political Sociology

Seminar zur Politischen Soziologie

Each semester one aspect of Political Sociology (e.g. Political Socialization, Political Participation, Political Culture and Voting Behavior) is covered; required readings are the basis for the discussion of the central theoretical issues and methodological questions in the selected field.

- Language: German/English
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Seminar in Political Sociology

Seminar zur Politischen Soziologie

Introduction to the empirical analysis of Political Sociology research problems and data sets with the STATA for Windows package. A mandatory two-hour STATA-tutorial is part of this course.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Basic seminar
- ECTS: 5

Intermediate Studies (3rd year)

Advanced Seminar in Political Sociology

Vertiefungsseminar zur Politischen Soziologie

A seminar for students having completed basic training in Political Sociology, Statistics, Methodology, and the STATA program package that is centered around an empirical research project involving research design, data collection, and data analysis.

- Language: German or English
- Semester: Winter and summer semester

- Teaching Method: Specialization seminar
- ECTS: 8

Advanced Studies (4th and 5th year)

Political Sociology I

Politische Soziologie I

A lecture introducing advanced topics of the political science analysis of political attitudes and political behavior at the micro and macro level.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Political Methods IV

Politikwissenschaftliche Methoden IV

A seminar that deals with advanced methods of quantitative data analysis in Political Sociology and includes practical computer applications of data analysis.

- Language: German
- Semester: Summer semester
- Teaching Method: Advanced seminar
- ECTS: 8

Political Sociology II

Politische Soziologie II

Special topics of research about political attitudes; Theoretical foundation and applications with empirical data analysis on the PC; varying examples of application.

- Language: German/English
- Semester: Winter semester
- Teaching Method: Advanced seminar
- ECTS: 8

Political Sociology III

Politisches Soziologie III

Special topics of research about political behavior; Theoretical foundation and applications with empirical data analysis on the PC; varying examples (with concentration on voting behavior in Germany as well as in a comparative perspective).

- Language: German/English
- Semester: Summer semester
- Teaching Method: Advanced seminar
- ECTS: 8

3.2.4 International and European Politics

Prof. Dr. Monika Heupel
 Professor for International and European Politics
 Feldkirchenstr.21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2723
 E-Mail: monika.heupel@uni-bamberg.de
 Internet: <https://www.uni-bamberg.de/en/polint/team/profdr-monika-heupel/>

Bachelor Program

Global Human Rights Policy

Globale Menschenrechtspolitik

Menschenrechtspolitik hat sich seit dem Ende des Zweiten Weltkriegs zu einem dynamischen Politikfeld der Internationalen Beziehungen entwickelt. In dem Seminar wollen wir uns mit den grundlegenden Institutionen des globalen Menschenrechtsregimes und der Debatte Universalismus vs. kultureller Relativismus vertraut machen. Außerdem wollen wir mit Hilfe gängiger Theorien der Internationalen Beziehungen herausarbeiten, welche Faktoren die Diffusion von Menschenrechtsnormen, die Institutionalisierung des Menschenrechtsregimes und die (mangelhafte) Einhaltung von Menschenrechtsnormen beeinflussen. Schließlich wollen wir uns mit der aktuellen Debatte um die Bindung internationaler Organisationen und privater Akteure an Menschenrechtsnormen befassen.

- Language: German
- Semester: Winter semester
- Teaching Method: Bachelor seminar
- ECTS: 8

National Model United Nations “How the United Nations works” (BA)

This seminar is designed to support delegates of the National Model United Nations (NMUN) project at the University of Bamberg. The seminar will teach, on an academic level, how one of most important international organizations, the United Nations, can be conceptualized and empirically analyzed. In a first section, the seminar focuses on the UN's structure, the actors in the UN system and the fundamental principles of international law. In a second section, the seminar will consider the major policy fields of the UN: international peace and security, human rights and development. In a third section, students will learn more practically oriented skills for working in the UN system: patterns of UN decision-making, the art of negotiation and the role of UN language.

- Language: English
- Semester: Winter semester
- Teaching Method: Bachelor seminar, Master seminar
- ECTS: 6/8

Master Courses

International Security – Concepts, Policies and Research Design

Internationale Sicherheit – Konzepte, Politikinstrumente und Forschungsdesign

In this seminar students will make themselves familiar with key concepts and theories of security studies and will learn how to make use of them when preparing their seminar essays. In the first part of the seminar, students will get to know various concepts and theories that have shaped the field of security studies in the past

decades. We will explore what security means to different scholars and practitioners and we will get to know the key assumptions of securitization theory. We will apply the security dilemma concept to inter-state and intra-state conflicts. We will familiarize ourselves with democratic peace theory and the concept of security communities. We will debate the application of organized hypocrisy to UN peacekeeping and will discuss the limits of the liberal approach to peacebuilding. Finally, we will compare criteria to evaluate the legitimacy of humanitarian interventions and explore the reasons for the selective application of humanitarian interventions. In the second part of the seminar, students will present their ideas for their essays and give each other feedback on their ideas for the essays they are expected to write. To prepare students for the presentations we will recap fundamental questions relating to the ingredients of a good research question, the selection of suitable cases, and the choice of suitable theories and concepts.

- Language: English
- Semester: Winter semester
- Teaching Method: Master seminar
- ECTS: 8

National Model United Nations “How the United Nations works” (MA)

This seminar is designed to support delegates of the National Model United Nations (NMUN) project at the University of Bamberg. The seminar will teach, on an academic level, how one of most important international organizations, the United Nations, can be conceptualized and empirically analyzed. In a first section, the seminar focuses on the UN’s structure, the actors in the UN system and the fundamental principles of international law. In a second section, the seminar will consider the major policy fields of the UN: international peace and security, human rights and development. In a third section, students will learn more practically oriented skills for working in the UN system: patterns of UN decision-making, the art of negotiation and the role of UN language.

- Language: English
- Semester: Winter semester
- Teaching Method: Bachelor seminar, Master seminar
- ECTS: 8

3.2.5 Political Theory

Prof. Dr. Johannes Marx
 Chair of Political Theory
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2640
 Fax: +49 / 951 / 863-2641
 E-Mail: johannes.marx@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/poltheorie>

Please note that the module titles mentioned below are generic „module titles“ (Modultitel). Normally, modules of each type (i.e., under each module title) will be offered at least once a year. In many cases, at least one module of each type (module title) will be offered in every semester. The topics of the specific courses can be found here: <https://univis.uni-bamberg.de/prg?search=lectures&department=Lehrstuhl%20f%FCr%20Politikwissenschaft,%20insbes.%20Politische%20Theorie&show=long> Hereby, the code at the beginning of the course title indicates the module to which it belongs (as noted in the list below).

Whenever “German / English” are noted as course language below, the language that is actually used depends on the individual course. The online course descriptions will also indicate the course language. In case of any questions, do not hesitate to contact the course instructors or the secretary.

Basic Studies
(Bachelor in Political Science)

Bachelor Program: The Basic Module "Political Theory" (15 / 17 ECTS) comprises the introductory lecture and two seminars (Seminar BA)

Introduction to Political Theory – Vorlesung: Einführung in die politische Theorie V (BA)

Content: The lecture presents central areas of political theory and is divided into three parts: Philosophy of Science, Positive Political Theories and Normative Political Theories. The first part deals with the fundamentals of scientific research: How can the quality of scientific language be assessed? How can the quality of scientific theories be recognized? These quality criteria apply to all empirical sciences. In political science, the central driving forces of the political process are acting actors: What are the determinants of this action? How can individual actions be aggregated into social phenomena? The basic orientations of action theory used in political science are presented and critically discussed in their development. The second part discusses central normative concepts such as freedom, equality and justice will be presented in political science on the basis of central reference theorists: What does a just and stable order look like? Under what circumstances may a state interfere with my personal freedom? To what extent can redistribution measures be justified on the basis of the theory of justice?

Learning Outcomes: Students should be familiar with the fundamental theoretical positions of science and understand the consequences of these considerations for the political science research process. At the same time, they should apply first methodological and theoretical skills (e.g. action and decision theory, game theory) as an aid in dealing with classical and still valid questions.

Prerequisites: None. Note that there is a tutorial that students are highly recommended to visit.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 5

Basic seminar in Political Theory. – Proseminar zur Politischen Theorie – PS (BA)

Content: This seminar type on Political Theory deals with the same topics as the Seminars (cf. below) - History of Ideas based on selected theorists or problem complexes and the instruments of Modern Political Theory. In contrast to the seminar, the proseminar focuses on the teaching of techniques. In proseminars with a focus on the history of ideas, the focus is on teaching techniques for the reconstruction of historical texts. In proseminars related to Modern Political Theory, the focus is on teaching the instruments of action and decision theory for the analysis of complex political processes.

Learning Outcomes: In dealing with the history of ideas, students should develop the ability to analyse texts, systematically compare arguments and weigh them against each other on the basis of selected examples. In the proseminars, the subject of which is the modern instrument of theory formation, they should acquire the ability to apply the instruments in the modelling and theoretical interpretation of political processes, in particular the formation of institutions and the functioning of institutions.

Prerequisites: None. However, seats in individual courses may be limited.

- Language: German / English
- Semester: Winter / Summer semester
- Teaching Method: Basic seminar / tutorial
- ECTS: 5

S (BA): Selected Topics in Political Theory (for BA Students) – Seminar zur Politischen Theorie – S (BA)

Content: This seminar type deals in depth with selected areas of the lecture. Each semester several courses on different subjects are offered. These can be topics of the history of ideas (the reading of the work of one theoretician or the treatment of a certain topic under consideration of several authors) as well as the instruments of modern political theory, above all science theory, rational choice, game theory, decision theory. Each seminar also introduces students to a specific research method that is of particular relevance in the field of political theory.

Learning Outcomes: The students should be able to work out the basic features of the thinking of the authors, the argumentations and controversies considered and the theoretical foundations of the modern instruments of theory formation and to weigh different conceptions against each other. Above all, they should be able to argue the bridge between classical and modern theory. It should become clear to the students that the classics did not pursue the history of ideas as an end in itself, but that they wanted to contribute to overcoming problems with the help of the instruments available in each case, and that this is also the role of a modern political theory.

Prerequisites: None. However, seats in individual courses may be limited.

- Language: German / English
- Semester: Winter / Summer semester
- Teaching Method: Seminar
- ECTS: 6

Advanced Studies I **(Bachelor in Political Science 3rd year)**

Bachelor Program: This an optional part of the "Vertiefungsmodul".

Advanced Topics in Political Theory – Vertiefungsseminar zur Politischen Theorie

Content: This type of seminar focuses on selected topics of political theory. The specific topics can either stem from classical political theory and cover the fields of political philosophy or the history of ideas, or from modern political theory and be located in the theory of science, modern normative political theories or positive political theories.

Learning Outcomes: Students acquire in-depth knowledge of a selected topic of political theory. They will be introduced to current research questions in this field and will be able to independently assess and analyze different theoretical positions. References to literature will be provided with the seminar plan.

Prerequisites: Eligibility requirement for advanced seminars (BA) (Vertiefungsseminar): 2 out of 3 of the following courses are required: Lecture / "Proseminar" (Tutorial) / Seminar in the subject area "Political Theory". For details, please contact your lecturer.

- Language: German / Englisch
- Semester: Winter / Summer semester
- Teaching Method: Advanced seminar
- ECTS: 8

Advanced Studies II **(Master in Political Science)**

Philosophy of Science / Advanced Methods I – Seminar: Grundlagen der Wissenschaftstheorie:
Politikwissenschaftliche Methoden I – HS (MA)

Content: This course introduces into the terminology and basic methods of argumentation for political science. In the beginning of the seminar, we will deal with the appropriate form and function of arguments. By analyzing text samples, we will learn to identify valid and invalid forms of argumentation. Subsequently, the method of reconstruction will be introduced, which is applied to evaluate arguments. At the same time participants will become familiar with basic logic. In the end, students are taught to identify and avoid typical fallacies in argumentation. The aim of this course is to develop a critical stance towards scientific terminology and to acquire the competence of writing proper scientific texts.

Prerequisites: Attendance of the lecture course (BA) in Political Theory and (iii) attendance of a seminar (BA) or advanced seminar (BA) in Political Theory.

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 8

Political Philosophy (Political Theory I) – Politische Theorie I – HS (MA)

Content: The lecture deals with the topics metaethics, ethics and political philosophy as well as theories of just order. Individual topics are in particular: The nature and tasks of ethics, the language of morality, the problem of justification in normative statements, deontological and consequent ethics as well as selected classics of normative political theory such as Hobbes, Locke, Rousseau, Rawls, Nozick, Singer.

Learning Outcomes: Students should be able to follow, critically evaluate and make advanced scientific arguments based on their knowledge of Normative Political Theory in the course topic. They should be able to work on their own questions with the theories of Normative Political Theory under guidance.

Prerequisites: Eligibility requirement for MA courses: Admission to MA degree in Political Science or (i) completion of a BA degree and (ii) attendance of the lecture course (BA) in Political Theory and (iii) attendance of a seminar (BA) or advanced seminar (BA) in Political Theory.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture-based module (Vorlesung) for graduate students (weekly two-hour lectures)
- ECTS: 6

Normative Political Theory: (Political Theory II) – Hauptseminar: Politische Theorie II – HS (MA)

Content: This course deals with varying topics from the field of normative political theory in depth. Please refer to the above link for specific course descriptions.

Learning Outcomes: Students should be able to follow, critically evaluate and make advanced scientific arguments based on their knowledge of Normative Political Theory in the course topic. They should be able to work on their own questions with the theories of Normative Political Theory under guidance.

Prerequisites: Eligibility requirement for MA courses: Admission to MA degree in Political Science or (i) completion of a BA degree and (ii) attendance of the lecture course (BA) in Political Theory and (iii) attendance of a seminar (BA) or a seminar / tutorial (BA) or advanced seminar (BA) in Political Theory.

- Language: German / English
- Semester: Summer semester
- Teaching Method: Seminar-based module (Seminar) for graduate students (weekly two-hour seminars)
- ECTS: 8

Positive Political Theory: (Political Theory III) – Hauptseminar: Politische Theorie III – HS (MA)

Content: This course deals with varying topics from the field of positive political theory in depth. Please refer to the above link for specific course descriptions.

Learning Outcomes: Students should be able to follow, critically evaluate and make advanced scientific arguments based on their knowledge of Normative Political Theory in the course topic. They should be able to work on their own questions with the theories of Normative Political Theory under guidance.

Prerequisites: Eligibility requirement for MA courses: Admission to MA degree in Political Science or (i) completion of a BA degree and (ii) attendance of the lecture course (BA) in Political Theory and (iii) attendance of a seminar (BA) or advanced seminar (BA) in Political Theory.

- Language: German / Englisch
- Semester: Winter / Summer semester
- Teaching Method: Seminar-based module (Seminar) for graduate students (weekly two-hour seminars)
- ECTS: 8

Classic Works of Positive Political Theory: Political Theory IV – Hauptseminar: Politische Theorie IV – HS (MA)

Content: The seminar gives an overview of central economic approaches to the description and explanation of political processes. In addition to the classics of the New Political Economy such as Olson, Downs and Buchanan, the seminar will also focus on institutional economic ideas and game theory instruments.

Learning Outcomes: Students should be able to demonstrate their awareness of an overview of the range of positive political theories. They should get to know central theories and learn how to apply them to current political problems.

Prerequisites: Eligibility requirement for MA courses: Admission to MA degree in Political Science or (i) completion of a BA degree and (ii) attendance of the lecture course (BA) in Political Theory and (iii) attendance of a seminar (BA) or advanced seminar (BA) in Political Theory.

- Language: German / Englisch
- Semester: Summer semester
- Teaching Method: Seminar-based module (Seminar) for graduate students (weekly two-hour seminars)
- ECTS: 8

Advanced Seminar: Political Theory V – Hauptseminar: Politische Theorie V – HS (MA)

Content: The seminar focuses on selected analytical methods of political theory: construction of models, game theory and computer simulations.

Learning Outcomes: Students should gain advanced knowledge of the analytical methods of political theory. They should be able to work under guidance on their own questions using the methods they have learned.

Prerequisites: Eligibility requirement for MA courses: Admission to MA degree in Political Science or (i) completion of a BA degree and (ii) attendance of the lecture course (BA) in Political Theory and (iii) attendance of a seminar (BA) or advanced seminar (BA) in Political Theory.

- Language: German / English
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 8

3.2.5. Comparative Politics

Prof. Dr. Thomas Saalfeld
 Head of the Section Comparative Politics
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2555
 Fax: +49 / 951 / 863-2606
 E-Mail: thomas.saalfeld@uni-bamberg.de
 Internet: <https://www.uni-bamberg.de/comparpol/>

Please note that the module titles mentioned below are generic „module titles“ (Modultitel). Normally, modules of each type (i.e., under each module title) will be offered at least once a year. In many cases, at least one module of each type (module title) will be offered in every semester. The relevant module’s specific topic is referred to as “semester title”. For example, there will usually be several modules under the generic module title “Selected Topics in Comparative Politics”, or “Seminar Vergleichende Politikwissenschaft” in German). These modules will have specific semester titles such as (“Selected Topics in Comparative Politics: Russian Government Politics” or “Advanced Topics in Comparative Politics: Politische Beteiligung von Minderheiten in Deutschland”).

Introductory Courses (1st and 2nd year of undergraduate studies) **(Bachelor in Political Science)**

Lecture-based Module Comparative Politics: Introduction to Comparative Politics/PWB-VP-V
V Einführung in die Vergleichende Politikwissenschaft

This lecture-based module offers a first introduction to political regimes, constitutions, executives, legislatures, parliamentary vs. presidential systems, federalism, political parties and party systems, veto players and the use of comparative methods in Political Science.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture-based introductory module (weekly two-hour lectures) for undergraduate students without prior knowledge of Comparative Politics
- ECTS: 5

Seminar-based Module Comparative Politics: Introduction to Study Skills in Political Science/PWB-ME-PS

PS Vergleichende Politikwissenschaft: Grundlagen politikwissenschaftlichen Arbeitens

This seminar-based module is based on a series of seminars in which students improve a number of study skills that are essential for them to complete their first degree in Political Science. The emphasis will be on basic orientation and research skills. Students learn how to identify important social science research problems, find relevant sources for empirical work, develop strategies to solve research problems and probe causal arguments concerning such research problems. They learn basic techniques of efficient academic work and standards of good academic practice. In addition, they familiarize themselves with key concepts of Political Science and learn more about the educational opportunities in Political Science at the University of Bamberg.

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar-based introductory module (weekly two-hour lectures) for undergraduate students
- ECTS: 4

Seminar-based Module Comparative Politics: Introduction to Issues and Methods in Comparative Politics/PWB-VP-PS

PS Vergleichende Politikwissenschaft: Proseminar Vergleichende Politikwissenschaft

This seminar-based module is based on weekly seminars where learners deepen their understanding of selected topics in Comparative Politics and improve their knowledge of relevant research methods. The seminar plan will mirror the topics covered in the lecture-based Introduction to Comparative Politics (above). Teaching will be based on readings that allow students to deepen their understanding of the topics covered in the lecture-based module. For up-to-date information and seminar times, please refer to <https://www.uni-bamberg.de/comparpol/studium/lehrveranstaltungen-und-aktuelle-hinweise-zu-covid-19/>

- Language: German or English
- Semester: Winter and summer semester
- Teaching Method: Seminar-based introductory module (Proseminar) for undergraduate students (weekly two-hour seminars)
- ECTS: 5

Seminar-based Module: Selected Topics in Comparative Politics/PWB-VP-S

S Vergleichende Politikwissenschaft

This seminar-based module is designed for the in-depth study of specific topics in Comparative Politics. Familiarity with basic concepts, theories and methods of Political Science and Comparative Politics is strongly recommended (e.g. by attending the lecture-based course “Introduction to Comparative Politics” and the seminar-based module Comparative Politics: “Introduction to Issues and Methods in Political Science”, Topics vary each semester, but generally focus on specific questions covered in the lecture-based module above (e.g. the government and politics of particular states [in particular, Germany, United Kingdom, USA or cross-cutting topics such as parliaments, governments, coalitions or electoral systems]). For up-to-date information, please refer to <https://www.uni-bamberg.de/comparpol/studium/lehrveranstaltungen-und-aktuelle-hinweise-zu-covid-19/>

- Language: German or english
- Semester: Winter and summer semester
- Teaching Method: Seminar-based module for undergraduate students (weekly two-hour seminars)
- ECTS: 6

Advanced Undergraduate Studies (3rd year)
(Bachelor in Political Science)

Advanced Seminar-based Module Comparative Politics: Advanced Topics in Comparative Politics/PWB-VP-VS
VS Vergleichende Politikwissenschaft

This advanced seminar-based module is designed to provide an in-depth introduction to specific topics of Comparative Politics. Compared to introductory seminar-based modules, there is a stronger emphasis on independent research. Prior knowledge of the subject matters covered in the first two years of study is required, as is familiarity with qualitative and quantitative research methods. Topics vary by semester (e.g., the politics of coalition government; Westminster democracies; specific topics relating to the government and politics of liberal democracies). For up-to-date information, please refer to <https://www.uni-bamberg.de/comparpol/studium/lehrveranstaltungen-und-aktuelle-hinweise-zu-covid-19/>

- Language: German or English
- Semester: Winter and summer semester
- Teaching Method: Seminar-based module (Seminar) for advanced undergraduate students (weekly two-hour seminars)
- ECTS: 8

Advanced Studies
(Master in Political Science)

Lecture-based Module: Comparative Politics I/PWM-VP-V

V Vergleichende Politikwissenschaft I

This lecture-based module, entitled 'Comparative Political Institutions', provides an introduction to the 'New Institutionalism' in Political Science, covering political, economic, sociological, historical and interpretive approaches to the study of political and social institutions in the first half of the course. The second part will focus on principal-agent theory, theories of transaction-cost politics, bargaining theory and veto player theory, i.e., key approaches within the rational-choice (or economic) institutionalist research programme. This advanced module should only be attended if the student has a good grounding in Political Science. It is not recommended for exchange students from other academic disciplines. For up-to-date information on the current programme please refer to <https://www.uni-bamberg.de/comparpol/studium/lehrveranstaltungen-und-aktuelle-hinweise-zu-covid-19/>

- Language: German or English
- Semester: Summer semester
- Teaching Method: Lecture-based module (Vorlesung) for graduate students (weekly two-hour lectures)
- ECTS: 6

Seminar-based Module for M.A. Students Comparative Politics II/PWM-VP-HS2

HS Vergleichende Politikwissenschaft II

This seminar-based module for MA students is designed to deal with specific topics of the lecture course and the seminar-based module Comparative Politics II in greater depth, with a strong emphasis on cutting-edge research methods in the area. Topics vary by semester but generally focus on the application of particular research methods to the study of the subject (e.g., network analysis, survival analysis, qualitative or quantitative text analysis). For up-to-date information on the current programme please refer to <https://www.uni-bamberg.de/comparpol/studium/lehrveranstaltungen-und-aktuelle-hinweise-zu-covid-19/>

- Language: German or English
- Semester: Winter and summer semester
- Teaching Method: Seminar-based module (Seminar) for graduate students (weekly two-hour seminars)
- ECTS: 8

Seminar-based Module for M.A. Students Comparative Politics III/PWM-VP-HS3*HS Vergleichende Politikwissenschaft III*

This seminar-based module for MA students is designed to deal with selected topics in comparative politics, including political parties and institutions (governments, parliaments, etc.) with a strong emphasis on cutting-edge research in the area. Topics vary by semester but generally focus on specific problems of political institutions (e.g., systems of government, parliaments or governments) collective action (e.g., e.g., political parties or interest groups). For up-to-date information on the current programme please refer to <https://www.uni-bamberg.de/compapol/studium/lehveranstaltungen-und-aktuelle-hinweise-zu-covid-19/>

- Language: German or English
- Semester: Winter and summer semester
- Teaching Method: Seminar-based module (Seminar) for graduate students (weekly two-hour seminars)
- ECTS: 8

Seminar-based Module for M.A. Students Comparative Politics IV/PWM-VP-HS4*HS Vergleichende Politikwissenschaft IV*

This seminar-based module for MA students covers selected topics in the study of German politics and government and has a strong emphasis on cutting-edge research in the area. Topics vary by semester but generally focus on specific problems of political institutions (e.g., systems of government, parliaments or governments) collective action (e.g., political parties or interest groups). For up-to-date information on the current programme please refer to <https://www.uni-bamberg.de/compapol/studium/lehveranstaltungen-und-aktuelle-hinweise-zu-covid-19/>

- Language: German or English
- Semester: Winter and summer semester
- Teaching Method: Seminar-based module (Seminar) for graduate students (weekly two-hour seminars)
- ECTS: 8

3.2.6. Empirical Political Science

Prof. Dr. Ulrich Sieberer

Professorship of Empirical Political Science

University of Bamberg

Bamberg Graduate School of Social Sciences

Feldkirchenstraße 21, Room FG1 01.04

D-96052 Bamberg

Tel: +49 / 951 / 863 2805

E-Mail: ulrich.sieberer@uni-bamberg.deWebsite: <https://www.uni-bamberg.de/emppol/team/prof-dr-ulrich-sieberer/>**Bachelor Courses**

The Professorship offers courses mainly in the area of comparative politics. The generic titles and types of courses are the same as those listed by the Chair of Comparative Politics (Prof. Dr. Thomas Saalfeld). The contents of the courses differ between semesters. For further information on the types of courses please refer to Section 3.2.5. of this guide. For up-to-date information, please refer to <https://www.uni-bamberg.de/emppol/studium/aktuelle-lehrveranstaltungen/>

Seminar-based Module Comparative Politics: Die europäischen Institutionen in vergleichender Perspektive (Lara Panning)/PWB-VP-S*S Vergleichende Politikwissenschaft: Die europäischen Institutionen in vergleichender Perspektive*

- The European Union (EU) is often described as a construct sui generis, i.e. as a political system that is not comparable to any other international institution or national state system. While it is true that

the EU, compared to other supranational institutions, is historically unique in terms of the powers that Member States handed over to the EU, it is not a sovereign state. But how unique are the three institutions involved in EU legislation – the European Parliament, the European Commission and the European Council? To explore this question, the seminar will take a closer look at the three institutions. We will first discuss the role of the individual institutions to gain a better understanding of their tasks and their position in the institutional structure of the EU. Subsequently, we will examine the institutions from a theoretical and / or empirical comparative perspective to address the above question. Language: German

- Semester: Winter semester
- Teaching Method: Seminar-based module (Seminar) for undergraduate students
- ECTS: 6

Seminar-based Module Comparative Politics: Parties and institutions in the political system of Germany (Lukas Hohendorf)/PWB-VP-S

S Vergleichende Politikwissenschaft: Parteien und Institutionen im Regierungssystem der BRD

The course deals with the law of state organization and the political system in Germany. At the beginning, the central constitutional principles of the Basic Law (federalism, democracy, welfare state and constitutional state) are discussed. The second section deals in detail with the constitutional organs of the Federal Republic of Germany (in particular the Bundestag, Bundesrat, Federal Government, Federal President and Federal Constitutional Court). In the third section, selected political processes and the importance of political parties are considered.

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar-based module (Seminar) for undergraduate students
- ECTS: 6

Advanced Seminar-based Module Comparative Politics (Prof. Dr. Ulrich Sieberer)/PWB-VP-HS3

VS Vergleichende Politikwissenschaft

This advanced seminar-based module is designed to provide an in-depth introduction to specific topics of Comparative Politics. Compared to introductory seminar-based modules, there is a stronger emphasis on independent research. Prior knowledge of the subject matters covered in the first two years of study is required, as is familiarity with qualitative and quantitative research methods. Topics vary by semester (e.g., executive politics; judicial politics; the U.S. Congress in comparative perspective; specific topics relating to the government and politics of liberal democracies). For up-to-date information, please refer to <https://www.uni-bamberg.de/emppol/studium/aktuelle-lehrveranstaltungen/>.

- Language: German or english
- Semester: Winter and summer semester
- Teaching Method: Seminar-based module (Seminar) for undergraduate students
- ECTS: 8

Master Courses

The Professorship offers courses mainly in the area of comparative politics. The generic titles and types of courses are the same as those listed by the Chair of Comparative Politics (Prof. Dr. Thomas Saalfeld). The contents of the courses differ between semesters. For further information please refer to Section 3.2.5. of this guide. For up-to-date information, please refer to <https://www.uni-bamberg.de/emppol/studium/aktuelle-lehrveranstaltungen/>

Seminar-based Module for M.A. Students Comparative Politics III (Prof. Dr. Ulrich Sieberer)/PWM-VP-HS3

HS Vergleichende Politikwissenschaft III

- This seminar-based module for MA students is designed to deal with selected topics in comparative politics, including political parties and institutions (governments, parliaments, etc.) with a strong

emphasis on cutting-edge research in the area. Topics vary by semester but generally focus on specific problems of political institutions (e.g., systems of government, parliaments or governments) collective action (e.g., e.g., political parties or interest groups). For up-to-date information on the current programme please refer to <https://www.uni-bamberg.de/emppol/studium/aktuelle-lehrveranstaltungen/> Language: German or english

- Semester: Winter and summer semester
- Teaching Method: Seminar-based module (Seminar) for graduate students
- ECTS: 8

Seminar-based Module for M.A. Students Methods of Political Science III: Introduction to Statistics for Political and Social Sciences (Lukas Hohendorf)/PWM-ME-HS3

HS Politikwissenschaftliche Methoden III

This course introduces and applies basic statistical methods. It is designed as a refresher course for master students with little or no statistical training during their Bachelor degree. Topics covered include descriptive statistics, linear regression, and logistic regression. The seminar applies these techniques on sample data using the statistical software package Stata. At the end of the course, students should understand the basic logic of inferential statistics and be able to perform simple analyses using statistical software

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture-based module for graduate students. Practical exercises.
- ECTS: 8

3.3 Module Description: Law Coordination Office

3.3.1 Tax Law

Prof. Dr. Michael Fischer

Chair of tax law

Richard-Wagner-Str. 2

D-91054 Erlangen

Tel.: +49 / 9131 / 85-70252

Fax: +49 / 9131 / 85-70253

E-Mail: sekretariat.korewi@uni-bamberg.de (Frau Reinlein); barbara.mielsch@fau.de

Internet: <http://www.uni-bamberg.de/sowi/dekanat/koordinationsstelle-rechtswissenschaften/fachbereich-rechtswissenschaften-fau/>

Bachelor Program

Introduction to commercial and corporate law [Recht-B-03]

Einführung in das Handels- und Gesellschaftsrecht

Main features of German commercial and corporate law:
term of businessman, form of organization, group law, capital market law

Knowledge of *Civil law [Recht-B-02]* strongly recommended!

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Master Courses

Corporate tax law [Recht-M-03]

Unternehmenssteuerrecht

Main features and detailed knowledge on German corporate tax law:
sole proprietorship, partnerships, corporate enterprises, company split-up

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Income tax law [Recht-M-04]

Einkommensteuerrecht

Main features and detailed knowledge on German income tax law:
liability for taxation, classification of types of taxable income, tax assessment, tax scale

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Value added tax law [Recht-M-04]*Umsatzsteuerrecht*

Main features and detailed knowledge on **German** value added tax law: term of businessman and corporation, systems of taxation, taxable base and tax rate, input tax reduction and tax collection

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Law of capital companies including group law and commutation law [Recht-M-06]*Kapitalgesellschaftsrecht einschließlich Konzern- und Umwandlungsrecht*

Main features and detailed knowledge on law of capital companies: basic structure of capital companies, affiliated companies, group law, **reorganization**, transfer of an enterprise

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

3.3.2 Public Law and European Community Law

Represented by the Faculty of Law, University Erlangen-Nürnberg

Law Coordination Office

Feldkirchenstraße 21 / Room 00.88

D-96052 Bamberg

Tel.: +49 / 951 / 863-2702

Fax: +49 / 951 / 863-1200

E-Mail: sekretariat.korewi@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/rechtswiss/leistungen/studium>

Bachelor Courses**Public Law with European Reference***Öffentliches Recht mit Europabezug*

Fields of Law; Cases and Subsumption; Basic Rights and State Organisation Law; EU Primary Law; Fundamental Freedoms of the EU

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture / practice
- ECTS: 6

German Public and Constitutional Law and European Community Law*Staats-, Verfassungs- und Europarecht*

Selected Issues or German Constitutional Law and European Community Law

- Language: German
- Semester: Winter semester
- Teaching Method: Basic seminar
- ECTS: 6

Master Courses

German Constitutional Law

Staats- und Verfassungsrecht

Selected Issues of German State Organization Law and Basic Rights (with Relations to European Community Law)

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

European Community Law

Europarecht

EU Primary Law; Fundamental Freedoms of the EU; European legal acts; European Institutions (Council, EU-Parliament, European Council, EU-Commission, European Court of Justice, European Central Bank); Selected Policies

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Law of Nations / International Public Law

Völkerrecht

Selected Issues of the Law of Nations / International Law (e. g. International Asylum Law, International Criminal Law etc.)

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

International Trade Law

Internationales Wirtschaftsrecht

Selected Issues of World Trade Law (WTO) and Investment Protection Law

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture / practice
- ECTS: 6

3.3.3 Civil, Labour and Social Law

Prof. Dr. Steffen Klumpp
Chair of Civil, Labour and Social Law
Schillerstraße 1
D-91054 Erlangen
Tel.: +49 / 9131 / 85-24200
Fax: +49 / 9131 / 40 10 143
E-Mail: wr3@jura.uni-erlangen.de
Internet: <https://www.wr3.rw.fau.de/>

Master Courses

Labour law II (Collective labour law) [Recht-M-02]

Arbeitsrecht II (Kollektives Arbeitsrecht)

Introduction to German collective labour law:

Right of association, law of collective agreements, works constitution law

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

3.4 Module Description: Sociology

3.4.1 Chair of Sociology, with special emphasis on Social Inequalities

Dr. Florian Schulz (substitute of Prof. Blossfeld 01.10.2020 – 31.10.2021)

Feldkirchenstr. 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-2591 (-2596)

Fax: +49 / 951 / 863-2597

E-Mail: sekretariat.sociologie1@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/soz1/>

Master Courses

Module: Education, Employment, Family in the Life Course (Major Field of Study)

Modul: Bildung, Arbeit, Familie im Lebenslauf (Studienschwerpunkt)

The Chair of Sociology I continuously offers special applied seminars on sociology of the life course. Each of these seminars focuses on education, family or employment transitions, or combinations of events across these life spheres. Also courses introducing to (international comparative) life course research are offered on a regular basis.

Advanced life course research

Fortgeschrittene Themen der Lebensverlaufsforchung

The chair of Sociology I continuously offers seminars in the major field of studies “Education, Employment, Family in the Life Course”. The courses give students advanced insights into topics of (international comparative) life course research.

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Selected topics of life course research

Ausgewählte Themen der Lebensverlaufsforchung

The chair of Sociology I continuously offers seminars in the major field of studies “Education, Employment, Family in the Life Course”. The courses give students advanced insights into topics of (international comparative) life course research.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

3.4.2 Demography

Prof. Dr. Henriette Engelhardt-Wölfler
Professorship of Demography
Feldkirchenstraße 21
D-96052 Bamberg
Tel.: +49 / 951 / 863-2645
Fax.: +49 / 951 / 863-1200
E-Mail: henriette.engelhardt-woelfler@uni-bamberg.de
Internet: <http://www.uni-bamberg.de/demografie>

Bachelor Courses

Introduction to Population Studies

Einführung in die Bevölkerungswissenschaft

- Language: German/English
- Semester: Winter semester
- Teaching Method: Lecture and seminar
- ECTS: 5

Special Issues of Demographics: Fertility

Spezielle Aspekte der Bevölkerungswissenschaft: Fertilität

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture and seminar
- ECTS: 5

Special Issues of Demographics

Spezielle Aspekte der Bevölkerungswissenschaft

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture and seminar
- ECTS: 5

Master Courses

Introduction into Demographic Methods

Einführung in die Methoden der Demographie

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture and seminar
- ECTS: 6

Family Studies: Family Demography

Family Studies: Familiendemografie

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Family Studies

- Language: German/English
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Population Studies: Demographic Methods

- Language: German/English
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Research Seminar Population and Family Studies

Forschungspraktikum Bevölkerung und Familie

- Language: German/English
- Semester: Winter and summer semester
(this course lasts 2 semesters and starts in summer)
- Teaching Method: Lecture and project seminar
- ECTS: 18

3.4.3 Methods of Empirical Social Research

Prof. Dr. Michael Gebel

Chair of Sociology, especially Methods of Empirical Social Research

Feldkirchenstraße 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-2628

Fax: +49 / 951 / 863-1200

E-Mail: sekretariat.empsoz@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/en/empsoz/>

Bachelor Program**Module Methods of Empirical Social Research and Statistics**

Modulgruppe Methoden der empirischen Sozialforschung und Statistik

Introduction to Methods of Empirical Social Research Part I

Einführung in die Methoden der empirischen Sozialforschung Teil I [BA Soz B.1.1]

This lecture introduces to methods of empirical social research.

- Language: German
- Semester: Winter
- Teaching Method: Lecture
- ECTS: 5

Introduction to Methods of Empirical Social Research Part II

Einführung in die Methoden der empirischen Sozialforschung Teil II [BA Soz B.1.2]

This lecture continues the introduction to methods of empirical social research.

- Language: German
- Semester: Summer
- Teaching Method: Lecture
- ECTS: 5

Empirical Research Laboratory Part I: Data collection*Soziologisches Forschungspraktikum Teil I: Datenerhebung [BA Soz B.2.1a]*

The Empirical Research Laboratory Part I deals with data collection.

- Language: German
- Semester: Winter
- Teaching Method: lecture/exercise course/tutorial
- ECTS: 12

Empirical Research Laboratory Part II: Data analysis*Soziologisches Forschungspraktikum Teil II: Datenanalyse [BA Soz B.2.2a]*

The Empirical Research Laboratory Part II deals with data analysis.

- Language: German
- Semester: Summer
- Teaching Method: lecture/exercise course/tutorial
- ECTS: 12

Master Courses**Group of modules “Methods of Empirical Social Research” (MASOZ B) and group of modules “Major Field of Study: Empirical Social Research” (MASOZ C3)**

Modulgruppe Methoden der empirischen Sozialforschung (MASOZ B) und Modulgruppe Studienschwerpunkt Empirische Sozialforschung (MASOZ C3)

Research Design*Forschungsdesigns [MASOZ-MES1]*

This course deals with research designs.

- Language: English
- Semester: Winter
- Teaching Method: Lecture and exercise course
- ECTS: 6

Advanced Techniques in Cross-Sectional Analysis*Fortgeschrittene Verfahren der Querschnittsanalyse [MASOZ-MES3]*

Each of these courses deals with advanced techniques in cross-sectional analysis.

- Language: English
- Semester: Winter
- Teaching Method: Seminar
- ECTS: 12

Advanced Techniques in Longitudinal Analysis*Fortgeschrittene Verfahren der Längsschnittanalyse [MASOZ-MES4]*

Each of these courses deals with advanced techniques in longitudinal analysis.

- Language: English or German
- Semester: Winter
- Teaching Method: Seminar
- ECTS: 12

Advanced Techniques in Multi-Level Analysis and International Comparison*Fortgeschrittene Verfahren der Mehrebenenanalyse und des internationalen Vergleichs [MASOZ-MES5]*

Each of these courses deals with advanced techniques in multi-level analysis and international comparison.

- Language: English
- Semester: Summer
- Teaching Method: Seminar
- ECTS: 12

Methods of Qualitative Social Sciences

Methoden der qualitativen Sozialforschung [MASOZ-MES6]

Each of these courses deals with advanced techniques in qualitative data collection and analysis.

- Language: English or German
- Semester: Winter
- Teaching Method: Seminar
- ECTS: 12

3.4.4 Sociological Theory

Prof. Dr. Thomas Kern
 Chair of Sociology, especially Sociological Theory
 Feldkirchenstr. 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-3142
 E-Mail: thomas.kern@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/soz2>

Bachelor Program

Introduction to General Sociology I

Allgemeine Soziologie I

Main Lecturer: Prof. Dr. Thomas Kern

Keywords: Intentionality, Social Action, Normative Paradigm, Interpretive Paradigm, Rational Choice, Emotions, Identity, Differentiation, Inequality

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 5

Introduction to General Sociology II

Allgemeine Soziologie II

Main Lecturer: Prof. Dr. Thomas Kern

Keywords: Trans-Intentional Effect, Network, Path Dependence, Collective Behavior, Collective Action, Power, Negotiated Agreements, Organizations

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 5

Introduction to sociological working

Einführung in das soziologische Arbeiten

Main Lecturer: Dipl. Soz. Susann Sachse-Thürer

Basic scientific techniques in sociology

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 5

Historically and culturally comparative sociology: Selected fields of social change

Historisch und kulturell vergleichende Soziologie: Ausgewählte Felder des sozialen Wandels

Main Lecturer: various lecturers

Analysis of social phenomena and their impact on societal change

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 5

Media and communication: Sociological communication theories

Soziologie der medialen Kommunikation: Soziologische Kommunikationstheorien

Main Lecturer: various lecturers

A theoretical approach to communication and media

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 5

Master Courses

Module: Sociological Theory and Analyses of Social Structure

Modul: Soziologische Theorien und Sozialstrukturanalyse

Sociological Theory and Research

Soziologische Theorie und Forschung

Main Lecturer: Prof. Dr. Thomas Kern

Keywords: Sociological Theory, Concept Formation, Epistemology

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Module: Comparative Macro-Sociology: Advanced Topics

Modul: Komparative Makrosoziologie: Fortgeschrittene Themen

Introduction to Sociology of Social Conflicts

Einführung in die Soziologie sozialer Konflikte

Main Lecturer: various lecturers

Keywords: Conflict Theory, Politization of Science

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Communication and Discourse

*Kommunikation und Diskurs*Main Lecturer: Prof. Dr. Thomas KernKeywords: Origins of Human Communication, Functions of Communication, Performativity, Discourse, Systems of Communication

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 6

Module MASOZ-ST2/MASOZ-ST3: Sociological Theory*Modul MASOZ-ST2/MASOZ-ST3: Soz. Theorie*

Various seminars on offer / Various lecturers

Module MASOZ-KMI4*Modul MASOZ-KMI4***Social Network Analysis 1***Soziale Netzwerkanalyse 1*Main Lecturer: Dr. Insa PruiskienKeywords: Practical application of social network analysis, methods, training at the computer, analyzing network data (centrality, cliques, block modeling etc.)

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Module MASOZ-KMI4*Modul MASOZ-KMI4***Social Network Analysis 2***Soziale Netzwerkanalyse 2*Main Lecturer: Dr. Insa PruiskienKeywords: Practical application of social network analysis, methods, training at the computer, analyzing network data (centrality, cliques, block modeling etc.)

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

3.4.5 Longitudinal Education Research

Prof. Dr. Corinna Kleinert
 Professor of Sociology, esp. Longitudinal Education Research
 Wilhelmsplatz 3
 D-96047 Bamberg
 Tel.: +49 / 951 / 863-3574
 Fax: +49 / 951 / 863-3411
 E-Mail: bildungsforschung@lifbi.de
 Internet: <http://www.uni-bamberg.de/sozlangbifo/team/prof-dr-corinna-kleinert/>

Master Courses

Education and Employment [Module MA Soz BAU1/BAU2/BAU3]

Bildung und Beschäftigung

Education and the labor market are tightly connected in post-industrial societies: Education is regarded today as most important prerequisite for socioeconomic success and economic prosperity. From a life-course perspective, young people have to manage the transition from school to work. However, the phase of education is not completed anymore by reaching this milestone; further training and lifelong learning become more and more important. For employers, educational certificates and grades are essential criteria to fill vacant positions. Credentials thus decide about unemployment risks, positions, and wages, but they are not rewarded equally among all groups in society. Finally, the relevance of skills with regard to career success has changed in the course of educational expansion and structural labor market change.

In the seminar, we read and jointly discuss some theoretical and many empirical articles to explore the various interrelations between education and the labor market. At the end of the seminar, we get to know an ongoing data base on the topic, the National Educational Panel Study (NEPS), and develop our own research proposals based on this data.

Basic literature: David B. Bills (2004): *The Sociology of Education and Work*. Oxford: Blackwell Publishing.
 [Chapters 1-3]

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar, online course
- ECTS: 6

Empirical Analyses of Inequalities in Work-care Arrangements [Module MA Soz BAU1/BAU2/BAU3]

Maternal employment has increased substantially across industrialized countries in the last decades. With the growing number of dual-earner families, the challenges arising from the different role requirements of paid work, housework, and parenthood have changed considerably, particularly for mothers. Employment-oriented family policies, such as parental leave or public childcare, are closely linked to the division of paid and unpaid work between partners. In Germany, recent family policy reforms have altered the reconciliation of work and family and, therefore potentially transformed family life and children's care environments. However, given the increase in maternal employment, inequalities in workplace contexts, family contexts, and institutionalized childcare opportunities are likely to generate substantial differences in the compatibility of work and family life within the group of parents. In this course, we will therefore focus on the question: What role does maternal employment play in shaping work-care arrangements, family life, and children's development in Germany today?

In the seminar, we will first read and jointly discuss some theoretical and many empirical articles to explore the various interrelations between employment-oriented family policies, work-care arrangements and children's development. In the second part of the seminar, we will get to know an ongoing database on the topic, the Panel Analysis of Intimate Relationships and Family Dynamics (pairfam), and individually develop a short research paper based on this data.

Statistical knowledge up to the level of ordinary least squares (OLS) as well as basic knowledge in data analysis with Stata is therefore assumed and strongly recommended (there will be no basic introduction to Stata, but

continuous help and guidance throughout the course). Ideally, the course participants have basic knowledge of labour market and/or family sociology.

The examination procedure is Portfolio.

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar, online course
- ECTS: 6

3.4.6 Social Stratification

Prof. Dr. Cornelia Kristen
 Chair for Sociology, esp. Analysis of Social Structure
 Feldkirchenstraße 21/01.55a
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2675 and 2676
 Fax: +49 / 951 / 863-3865
 E-Mail: cornelia.kristen@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/en/sozstruk/>

Bachelor Courses

Social Structures I and II

Sozialstruktur im internationalen Vergleich 1 und 2

(Lecture alternately offered by Prof. Dr. Cornelia Kristen and Prof. Dr. Steffen Schindler)

The lecture addresses Germany's social structure in a cross-national perspective.

Module: A.2: Analysis of Social Structures

A.2: Soziologische Grundlagen: A.2 Sozialstrukturanalyse

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 10

Introduction to the Sociology of Migration

Einführung in die Migrationssoziologie

The lecture introduces into the sociology of immigration. It addresses processes of migration and integration.

Modul: D.2.1 B: Major Field of Study: Population, Migration and Integration

D.2.1 B: Studienschwerpunkt: Bevölkerung, Migration und Integration

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 5

Selected Problems of the Sociology of Migration

Ausgewählte Probleme der Migrationssoziologie

Each of these seminars introduces into research questions in the field of migration and integration. Topics include causes of international migration as well as conditions, which foster integration into different societal areas (e.g. language acquisition, educational and labor market success, inter-ethnic contacts, social distances, ethnic identifications and belonging).

Modul: D.1.1 F: Major Field of Study: Education Employment, Family and the Life Course

D.2.1 D: Major Field of Study: Population, Migration and Integration

E.1: Context Study

D.1.1 F: Studienschwerpunkt Bildung, Arbeit, Familie und Lebenslauf

D.2.1 D: Studienschwerpunkt: Bevölkerung, Migration und Integration

E.1: *Kontextstudium*

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 5

Selected Problems of Social Stratification

Ausgewählte Probleme der Sozialstrukturanalyse

Each of these seminars introduces into research questions in the field of social stratification.

Modul: D.1.1 H: Major Field of Study: Education Employment, Family and the Life Course

D.2.1.E: Major Field of Study: Population, Migration and Integration

E.1: Context Study

D.1.1 H: Studienschwerpunkt Bildung, Arbeit, Familie und Lebenslauf

D.2.1 E: Studienschwerpunkt: Bevölkerung, Migration und Integration

E.1: *Kontextstudium*

- Language: German
- Semester: Winter and summer semester
- Teaching Method: Seminar
- ECTS: 5

Master Courses

Advanced Topics in the Sociology of Migration

Fortgeschrittene Themen der Migrationssoziologie

These courses introduce students to selected topics in migration research. They address the causes of international migration as well as the conditions of host-society integration. Each course links theoretical considerations with empirical evidence.

Modul: MASOZ_MI1 Advanced Topics in the Sociology of Migration

MASOZ_MI1 *Fortgeschrittene Themen der Migrationssoziologie*

- Language: English or German
- Semester: Winter and summer semester
- Teaching Method: Seminar, Lecture, Research practice course
- ECTS: 12

Ethnic Inequality

Ethnische Ungleichheiten

These courses introduce students to the conditions generating ethnic inequality in modern societies. For selected dimensions of inequality, students discuss general mechanisms of generating social inequality as well as the migrant-specific conditions associated with ethnic inequality. Each course links theoretical considerations with empirical evidence.

Modul: MASOZ-MI2 – Ethnic Inequalities

MASOZ-MI2 – *Ethnische Ungleichheit*

- Language: English or German
- Semester: Winter and summer semester
- Teaching Method: Seminar, Lecture, Research practice course
- ECTS: 12

Research on migration and integration*Aktuelle Befunde der Migrations- und Integrationsforschung*

In these courses, students tackle complex topics of research on migration and integration. Courses place a special focus current migration streams and their consequences. They deal with questions regarding the causes of international migration as well as the conditions of host-society integration. Each course links theoretical considerations with empirical evidence.

Modul: MASOZ-MI3 – Research on migration and integration

MASOZ-MI3 – *Aktuelle Befunde der Migrations- und Integrationsforschung*

- Language: English or German
- Semester: Winter and summer semester
- Teaching Method: Seminar, Lecture, Research practice course
- ECTS: 12

3.4.7 European and Global Studies

Prof. Dr. Elmar Rieger

Chair of Sociology, in particular European and Global Studies

Feldkirchenstraße 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-2628

E-Mail: professur.sociologie@gmail.com

Internet: <http://www.uni-bamberg.de/soz3/>

Bachelor Courses**Sociology of European Union and European Integration***Soziologie der Europäischen Union und der europäischen Integration*

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 5

Sociology of Religion in the Context of Globalization*Soziologie der Religion in der Globalisierung*

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 5

Master Courses**Society and Community in the Age of Globalization: Applications***Gesellschaft und Gemeinschaft im Zeitalter der Globalisierung: Anwendungen*

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Sociology of Technology and the Internet*Techniksoziologie und Internet*

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

3.4.8 Sociology with Focus on Education and Work in the Life Course

Prof. Dr. Schindler
 Sociology with Focus on Education and Work in the Life Course
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2469
 E-Mail: sek.sozbalv@uni-bamberg.de
 Internet: <https://www.uni-bamberg.de/en/sozbalv/>

Bachelor Courses

Social Structure in International Comparison

Sozialstruktur im internationalen Vergleich

Description of the content: The lecture will give a systematic overview of the long-term developments in Germany's social structure, embedded in international comparisons. The analysis of social structure deals with the structures and processes of change within populations and their interplay with educational, economic and labour market systems. The lecture will also be devoted to different dimensions of inequality and their evolution and developments over successive generations. The lecture will be held in two parts over two subsequent semesters, starting in the Winter term.

- Language: German
- Semester: WS2020/21
- Teaching Method: lecture
- ECTS: 10

Bildung im Lebenslauf: Bildung und soziale Mobilität

Das Seminar beschäftigt sich mit der Rolle von Bildung im Prozess sozialer Mobilität. Hierzu wird zunächst in die klassischen Begriffe und Konzepte sozialer Mobilitätsforschung eingeführt. Darauf aufbauend beschäftigen wir uns damit, wie der Zusammenhang zwischen sozialer Herkunft und sozialer Platzierung durch Bildung vermittelt wird. Ein weiterer Schwerpunkt des Seminars wird dann auf der Auseinandersetzung mit theoretischen Ansätzen und empirischen Studien zur Beziehung zwischen sozialer Herkunft und Bildungserfolg liegen.

- Language: German
- Semester: WS2020/21
- Teaching Method: seminar
- ECTS: 5

Master Courses

Research Seminar "Analysing the National Educational Panel Study"

Forschungspraktikum "Analysen mit dem Nationalen Bildungspanel"

Description of the content: This research seminar will be held in two parts over two consecutive semesters. Students conduct their own empirical research project based on data of the National Educational Panel study (NEPS). The participants of the seminar will be guided through the entire research process: from the initial

research question over theoretically deduced hypotheses to the empirical work with the data and the execution of analyses and presentation of results.

- Language: English
- Semester: WS 2020/21 and SS 2021
- Teaching Method: Seminar
- ECTS: 12

3.4.9 Labour Studies

Prof. Dr. Olaf Struck
 Chair of Labour Studies
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2690
 Fax: +49 / 951 / 863-2700
 E-Mail: arbeitswiss@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/arbeitswiss/>

Bachelor Program

Introduction and Methods of Labour Studies

Grundlagen der Arbeitswissenschaft [BA Soz D.6.1A]

Basic information about types and meaning of labour, employment and job occupation. Explanation of institutions of labour and labour organisation by means of selected examples of technique and innovation. Focus will be on the area of conflict between rationalisation and human working conditions in the context of firms, society and global perspectives.

- Language: German
- Semester: Winter semester
- Teaching Method: lecture
- ECTS: 5

Introduction and Principles of Ergonomics

Grundlagen der Ergonomie [BA Soz D.6.1B]

Basic information about anthropometry; environmental factors and its effects; working system and factors of ergonomic demand and strain; man-machine-system; layout of workplace and product design.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture and exercise
- ECTS: 5

Employment Analysis and Labour Structuring

Arbeitsanalyse und Arbeitsgestaltung [BA Soz D.6.1C]

Historical and contemporary forms of reward and working time organisation; areas of reward and working time organisation (government, trade agreements, company agreements).

- Language: German
- Semester: Summer semester
- Teaching Method: lecture
- ECTS: 5

Career and Labour Market

Beruf und Arbeitsmarkt [BA Soz D.6.1E]

Theories on labour market; structural change of the professional society; segments of the labour market (internal labour market, job segments, gender-related division of the labour market); professional education; problematic groups on the labour market; unemployment ; employee participation; chances and risks of increasing globalization and flexibilization of the labour market.

- Language: German
- Semester: Summer semester
- Teaching Method: lecture
- ECTS: 5

Occupational Sociology

Berufssoziologie [BA Soz D.6.1F]

Theories of career choice; influencing factors of career choice; stages of professional career; professional socialization.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 5

Human Resource and Industrial Sociology

Personal- und Betriebssoziologie [BA Soz D.6.1G]

Scientific perspective to recruitment, employment of staff, organisation, management and motivation. Completion of this theoretical approach by practical experience, excursion and the inclusion of practitioners.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 5

Master Courses

Human Resource Management (part of the module MA SOZ POA1 Human Resources and Labour)

Human resource management (Teil des Moduls MA SOZ POA1 Personal und Arbeit)

Detailed evaluation of personnel recruitment, personnel deployment, organization, management and motivation. In-depth study of these topics by means of complex issues from a scientific perspective. Completion of this theoretical approach by practical experience, excursions and the inclusion of practitioners.

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Ergonomics and Work Structuring (part of the module MA SOZ POA1 Human Resources and Labour)

Ergonomie und Arbeitsgestaltung (Teil des Moduls MA SOZ POA1 Personal und Arbeit)

Discussion of current and in-depth aspects of ergonomics (physical and psychological, organizational and institutional). Job demand, workload in reference to the configuration of work proceedings (stress-strain-concept, sociological and psychological basics of work and job demand, stress in different variations, organization of work, individual and collective possibilities of how to handle strain).

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Work, Economy, Social Structure (part of the module MA SOZ POA3 Economy and Labour Market)
Arbeit, Wirtschaft, Sozialstruktur (Teil des Moduls MA SOZ POA3 Wirtschaft und Arbeitsmarkt)

Comparison of different theories in the topics work, education, economy and social structure; connection to current, empirical scientific research results. Evaluation of the relationship between protagonists, organizations and institutions in societies.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Organizational sociology (part of the module MA SOZ POA2 Organisation)
Organisationssoziologie (Teil des Moduls MA SOZ POA2 Organisation)

Theories of organization; reflection of individual theories and comparison of theories; relationship between protagonists, organizational structures and institutions; conditions, problems and resistance to the development of work organizations; humane working conditions with qualification, motivation, control and strain in mind.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Methods of the Empirical Organizational Research (part of the module MA SOZ POA2 Organisation)
Methoden der empirischen Organisationsforschung (Teil des Moduls MA SOZ POA2 Organisation)

Introduction of qualitative and quantitative methods of organizational research, for example nonreactive methods, questioning, network analysis, quantitative questioning, qualitative interview, job evaluation and experiments; completion by research experience of experts.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

3.4.10 Survey Methodology

Prof. Dr. Mark Trappmann
 Chair of Sociology, especially Survey Methodology
 Feldkirchenstraße 21, F21/00.55
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2435
 E-Mail: mark.trappmann@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/soziologie/lehrstuehle-und-professuren/lehrstuhl-fuer-soziologie-insbesondere-survey-methodologie/>

Master Courses

Mixed Mode Surveys

Mixed-Mode-Surveys

The seminar first gives an overview of most frequent survey modes (face-to-face, telephone, mail, web). We deal with consequences of mode choice for survey data collection (e.g. mode-dependent sampling frames) as well as with consequences of mode choice on error sources like coverage error, nonresponse, measurement error, sampling variances or interviewer effects. In the second half of the seminar the focus is on mixed mode surveys. Different mixed mode designs are introduced. Finally, recent research articles on data quality in such

surveys, particularly on the separation of mode-specific measurement error and mode-specific nonresponse (or self-selection into modes) are discussed. Participants learn about distinctive features in the implementation of surveys in different modes and about the consequences of mode choice for error sources in surveys. They learn what to pay attention to when mixing modes how to assess the size of error sources within mixed-mode surveys. Thus, they are enabled to assess data quality of existing mixed mode surveys and to take decisions on mode choice depending on the goals and topics of a study, the population and the budget of the study.

- Language: German
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

Error Sources in Survey Data

Datenerhebung und Fehlerquellen

One important goal when collecting survey data is to achieve minimum error (given budget) in relevant statistics estimated from the survey. The total survey error framework is a useful heuristic, in order to separate the total survey error into its components and thus make it accessible for research. We distinguish between errors in representation and errors in measurement: On the representation side we distinguish between coverage error, sampling error, nonresponse error and adjustment error. On the measurement side we distinguish between specification error, measurement error and editing error. Each error source can have an impact on variance as well as bias of key survey estimates. Special attention is paid to the interaction between error sources that often results from mode choice or interviewer influence. Participants of the lecture shall be enabled to assess the data quality of a given survey as well as to develop research designs in order to investigate survey quality.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Please note: Students matriculated in the Master in Sociology have to pass the exam Advanced Methods of Quantitative Data Collection for the Social Sciences (“Fortgeschrittene Erhebungsmethoden der quantitativen Sozialforschung”) which combines both classes and gives them 12 ECTS.

3.5 Module Description: Economics

3.5.1 Economics of Education

Prof. Dr. Silke Anger
 Chair of Economics of Education
 University of Bamberg
 Feldkirchenstr. 21
 D-96045 Bamberg
 Tel.: +49 / 951 / 863-2834
 Fax: +49 / 951 / 863-2635
 E-Mail: silke.anger@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/en/vwl/lehrstuhl-fuer-vwl-insb-bildungsoekonomik/>

Bachelor Program

Economics of Education [BAEES5.1c]

Einführung in die Bildungsökonomik

The lecture provides an introduction to the theories and methods of the Economics of Education with focus on empirical educational research. The course includes various fields of the Economics of Education, such as the returns to education (monetary and non-monetary), educational production (efficiency, efficacy, inequality), education financing (by firms, government), and the supply and demand of education. Both theoretical models (e.g. human capital model) and empirical strategies for causal analysis are presented.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

3.5.2 Empirical Microeconomics

Prof. Dr. Guido Heineck
 Chair of Empirical Microeconomics
 University of Bamberg
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2601
 Fax: +49 / 951 / 863-2599
 E-Mail: vwl-mikro@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/en/vwl-mikro/>

Bachelor Courses

Microeconomics I

Mikroökonomik I

The course provides an introduction to microeconomics, covering mostly the neoclassical theoretical approach of consumers, firms, and markets. It introduces students to the concepts of scarcity, opportunity costs, the nature and functions of product and factor markets, and models of consumer choice.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture and exercise course

- ECTS: 6

Labor Economics: Theory and Policy

Arbeitsmarkttheorie und -politik

The course introduces students to the basics of labor economics, including labor supply and demand, human capital theory, labor market institutions and policies.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture and exercise course
- ECTS: 6

Empirical Microeconomics

Empirische Mikroökonomik

The course introduces students to basic econometrics, focusing on the linear regression model as the backbone of empirical economic research. Lectures will be complemented with practical work that aims at preparing students to conduct empirical research analyses.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture and exercise course
- ECTS: 6

Project Seminar: Applied Microeconometrics

Projektseminar: Angewandte Mikroökometrie

In this course, students will conduct small-scale empirical research projects. To a limited extent, students will make themselves familiar with existing research, derive testable hypotheses, prepare data, run empirical analyses, write a term paper and present their results. Topics vary, recent examples include: returns to education, subjective well-being, risk attitudes and occupational choice.

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Master Courses

Applied Economics of Education

The course introduces students to the empirical methods typically applied in the context of education in order to identify causal effects rather than correlation only. Students will also be introduced to relevant literature that uses such methods for educational policy evaluation.

Topics include: Recap of OLS; Panel data techniques; Instrumental-Variable approach; Regression-Discontinuity approach; Differences-In-Differences (DID) approach;

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture and exercise course
- ECTS: 6

Personality Psychology and Economics

The empirical seminar course focuses on an interdisciplinary research strand that combines topics and methods from economics and psychology and that aims at understanding the foundation, development and social and economic outcomes of cognitive skills and personality traits (or socio-emotional skills), the latter including issues such as motivation, persistence, and self-efficacy.

Topics include: Measurement of personality and personality traits; Economic, biological, psychological and

environmental determinants of skills; Economic and social consequences of personality and personality traits; Policy interventions to enhance skill formation during early childhood

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

3.5.3 Public Economics

Prof. Dr. Florian Herold

Chair of Public Economics

Feldkirchenstraße 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-2548

Fax: +49 / 951 / 863-5547

E-Mail: public-economics@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/vwl-fiwi/studium/lehveranstaltungen/>

Bachelor Courses

Microeconomics II

Mikroökonomik II

Market Equilibrium and Welfare Economics, External Effects and Public Goods, Introduction to Game Theory, Market Power (Monopoly and Oligopoly).

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture/exercise
- ECTS: 6

European Public Finance

Finanzpolitik in Europa

Lecturer: Dr. Jörg Lackenbauer

Fiscal Constitution, Revenue and Expenditure System in Germany and Europe, Tax Incidence, Taxation and Efficiency, Taxation and Equity, Optimal Taxation, Tax System and Tax Reform in Germany and Europe. Fiscal Federalism, Decentralization, Local Public Goods and Resource Allocation, Fiscal Equalization, Intergovernmental Grants.

- Language: German
- Semester: Summer semester
- Teaching Method: Blockseminar
- ECTS: 6

Topics in Public Economics

Lecturer: Prof. Dr. Florian Herold

This seminar focuses on current topics in economic theory. Students will study and present recently published research articles on limited attention.

- Language: English
- Semester: Winter semester
- Teaching Method: Seminar
- ECTS: 6

An Introduction to Public Economics and Epidemics

Lecturer: Prof. Dr. Florian Herold

This course offers an introduction to key concepts of public economics, networks, and epidemics and investigates their connections.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture/exercise
- ECTS: 6

Master Courses**Advanced Microeconomics**

Lecturer: Prof. Dr. Florian Herold

Prerequisites: Good background in Microeconomics I and II

Axiomatic choice, Intertemporal choice and choice under risk, General equilibrium, Game Theory, Information Economics and Contract Theory.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture/Exercise
- ECTS: 6

Incentives and Behavior

Lecturer: Prof. Dr. Florian Herold

Experimental Studies in Economics, Deviations from Rationality, Time Inconsistent Preferences, Social Preferences, Behavioral Biases and Public Policy.

- Language: English
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Political Economics

Lecturer: Prof. Dr. Florian Herold

The Problem of Aggregating Preferences, Electoral Competition, Agency, Redistributive Politics, Dynamic Policy Problems and Public Debt.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture/Exercise
- ECTS: 6

Evolution Learning and Behavior

Lecturer: Prof. Dr. Florian Herold

The course introduces different topics related to behavioural economics and bounded rational learning how to act strategically.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture/exercise
- ECTS: 6

3.5.4 International Economics

Prof. Mishael Milaković, PhD
 Chair of International Economics
 University of Bamberg
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2583
 Fax: +49 / 951 / 863-2581
 E-Mail: vwf-iwf@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/vwf-iwf>

Bachelor Program

Macroeconomics I

Makroökonomik I

This course deals with basic macroeconomic concepts and demonstrates how they are related to real world economic problems and economic policy decisions. In particular, this course covers the mutual dependence of goods, money and financial markets, the determinants of unemployment in the short- and long-run and the effectiveness of different instruments of economic policy in closed and small open economies.

The objective of this course is to familiarize students with different economic models so that they will be able to analyze current economic issues and to apply those models to practical questions of economic policy.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture and tutorial
- ECTS: 6

Introduction to European and International Economics

Einführung in die europäische und internationale Wirtschaft

Today's economies are increasingly linked through trade and financial flows, with important consequences for national employment, consumption, and firm investment that are typically summarized under the colloquial but rather vague term of "globalization." Its consequences are severely debated and often take center stage in national political programs as witnessed, for instance, in the contemporary debate on the macroeconomic implications of the European Monetary Union. This course aims at providing a comprehensive (albeit introductory) overview of fundamental issues in the theory of international economics and finance, taking into account various contemporary debates on the costs and benefits of globalization.

The objective of the course is to equip students with the necessary tools to evaluate the risks and chances of globalized economies and financial markets and to enable them to make informed decisions in an intertwined and increasingly complex global marketplace.

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture and tutorial
- ECTS: 6

Introduction to International Finance

The lecture covers theories that approach foreign exchange markets and exchange rate determination from a finance perspective. Relevant topics include the importance of investors' expectations and speculative behavior in the foreign exchange market and its explanatory power for the observation of excess volatility of foreign exchange rates compared to macroeconomic fundamentals. We also discuss the effects of political interventions to curb speculative activity and the determinants of major historical currency crises.

- Language: English
- Semester: Summer semester

- Teaching Method: Lecture
- ECTS: 6

History of Economic Thought

The seminar deals with the evolution of the history of economic thought, in particular with the classical political economy of Smith, Ricardo and Marx, but also with more recent contributions outside the marginalist (neoclassical) school of thought. The seminar aims at providing students with a heterodox perspective on their discipline, illustrating that the popularity of the different schools of thought is closely intertwined with the economic, social and political context of their times.

Upon completion of the seminar, students should gain profound knowledge of the conceptual differences and diverging implications of the different schools of thought that make up economics. Ideally, students will summarize their findings in a term paper, taking on the form of a literature survey. The overall grade will be determined from the term paper and a short presentation of their findings.

Information on the registration procedure will be distributed in the first seminar session (date, time and place will be announced via UnivIS).

- Language: English
- Semester: Summer semester
- Teaching Method: Project seminar
- ECTS: 6

Master Program

Financial Engineering and Systemic Risk

This course deals with the risks that emanate from modern financial markets and their regulation. The central question is how these risks, their regulation, and the institutional framework itself can actually contribute to the creation of “systemic” risk, resulting in historically recurring economy-wide crises. The course in the sequence takes a closer look at the challenges that monetary policy faces in light of endogenous money creation, which are compounded by the presence of derivative securities that allow for the synthetic replication of traditional bank loans. We will consider whether or how banks’ off-balance sheet transactions can circumvent the national regulatory and taxation frameworks, and what the implications for the respective national central banks are in their function as so-called lenders of last resort. A second important aspect of this course deals with financial innovation in the syndication of loans or other debt obligations (ABS, MBS, CDO, CLO), and their role in the recent crisis.

The main purpose of the course is to familiarize students with the basic notion of synthetic replication in financial markets, and to carefully explain how this replication leads to new challenges for central bank policy and financial regulation. The importance of “cheap liquidity” in financial crises is emphasized throughout the course.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture and tutorial
- ECTS: 6

Complexity and Distribution in Economics

This course deals with alternative approaches to the usual equilibrium concepts in economics. As it turns out, many economic and financial variables of interest exhibit robust distributional regularities across space and time, but have received at best minor attention in the literature. A crucial aspect of the course is to move beyond standard texts and introduce students to the possibly most challenging problem facing macroeconomic methodology today: the theory of aggregation. We will consider recent developments in statistical equilibrium theory, which is particularly suitable for studying problems that arise from the aggregation of many agents, and centers around the idea of an equilibrium distribution in economic variables.

Ideally, students will conduct their own data exploration exercises, using for instance Mathematica and its curated data sources (or any other statistical/mathematical software and databases) to look for distributional

regularities in macroeconomic variables within or across countries, and write a term paper on their discoveries. The overall grade will be determined from the term paper and a short presentation of their findings.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture and tutorial
- ECTS: 6

International Monetary Economics

This course deals with the two most important traditional models of exchange rate determination and open economy macroeconomics, which start from different pre-analytical visions and thus arrive at very distinct open economy policy prescriptions. We start from basic concepts of exchange rate determination, like purchasing power parity and (un)covered interest rate parity, and review the basic accounting principles underlying the balance of payments. Then we move on to standard Keynesian models and to a variety of monetarist approaches to the balance of payments.

The main purpose of the course is to make students aware of the different strands of economic thought in international macroeconomics, and to emphasize how they arrive at very different policy prescriptions regarding balance of payments equilibrium, and monetary and fiscal policy issues in general as witnessed, for instance, in the current debate on the feasibility of a monetary union in the European Union. In particular, students should be able to understand why various pressure groups favor certain models or are strictly opposed to others, and where the various models meet their empirical limitations.

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

The Economics of Inequality

For about the last four decades, the economics profession was largely of the opinion that economic inequality is not a problem of particular interest and, if anything, represents a necessary condition for economic efficiency. Piketty's book on "Capital in the 21st Century" and its wide reception in and outside of academia, however, testify to the revived interest in this topic, particularly with respect to the inequalities in personal income or wealth, both across and within countries. The three main goals of the course are thus to familiarize students with

- (i) the major strands of economic theory that address the inequalities in the distribution of income or wealth,
- (ii) the different concepts of measuring inequality, and
- (iii) the international empirical data of such measurements.

Irrespective of whether a reduction in inequality is politically desired or not, students should understand the fundamental challenges that policy design will necessarily face, especially in light of the considerable historical fluctuations in inequality. Ideally, students will summarize their findings in a term paper, taking on the form of a literature survey. The overall grade will be determined from the term paper and a short presentation of their findings.

Information on the registration procedure will be distributed in the first seminar session (date, time and place will be announced via UnivIS).

- Language: English
- Semester: Summer semester
- Teaching Method: Seminar and tutorial
- ECTS: 6

3.5.5 Applied Economic Research

Prof. Dr. Christian R. Proaño
 Professorship of Economics, esp. Applied Economic Research
 Feldkirchenstraße 21

D-96052 Bamberg

Tel.: +49 / 951 / 863-1576

E-Mail: vwl-awifo@uni-bamberg.de

Internet: <http://www.uni-bamberg.de/vwl-awifo/>

Bachelor Program

Current Issues of Economic Policy in Europe

Proseminar: Aktuelle Fragen der Wirtschaftspolitik in Europa [BAEES2.1]

Selected issues concerning current economic policy in Europe will be handled. Examples are: Incentives and strategic behavior, education and inequality in Europe, markets and instability, rational and irrational behavior, monetary union and international financial crisis, economic policy in the European Union.

- Language: German
- Semester: Winter semester
- Teaching Method: Basic seminar
- ECTS: 6

Current Topics in Growth, Development and Sustainability

Projektseminar: Current Topics in Growth, Development and Sustainability [BAEES2.2]

The course is intended to give students an introduction into theories and stylized facts of long-term economic growth and sustainability. Models of various schools of economic thought will be discussed and compared to each other. The relation of growth, environmental issues and inequality will be explored. After successful completion of the course, students should be able to approach the related academic literature as well as current policy debates. Knowledge of basic concepts of macroeconomics and microeconomics is required. Students should have completed the respective introductory courses.

- Language: English
- Semester: winter semester
- Teaching Method: Lecture
- ECTS: 6

Monetary Policy in the Euro Area

Lecture: Monetary Policy in the Euro Area [BAEES2.1]

The course handles the theoretical foundations and practical issues of the design and conduct of monetary policy in the euro area. After a detailed discussion of main concepts in monetary economics such as the different monetary aggregates and the money creation process in barter and in monetary economics, issues like the monetary policy strategy of the ECB and its practical implementation in normal times and in crisis periods are discussed, as well as the design of optimal monetary policy and the time-inconsistency problem of monetary policy.

- Language: English
- Semester: Summer semester
- Teaching Method: lecture
- ECTS: 6

Master Program

Advanced Macroeconomics

Fortgeschrittene Makroökonomie [MAEES01.2]

Macroeconomic analysis is primarily concerned with two issues: (i) developing positive models in order to understand the dynamics of key macroeconomic variables such as output, employment, unemployment, inflation, interest rates, etc.; and (ii) deriving normative prescriptions for macroeconomic policymaking, in

particular regarding the proper setting of fiscal and monetary policies. The course begins with a discussion of empirical facts regarding business cycles and growth to be explained by macroeconomic models and then provides a historical overview of the evolution of macroeconomic theory since the Neoclassical Synthesis of the 1960s through the Rational Expectations revolution and the New Classical Macroeconomics of the 1970s to the development of the Real Business Cycle School of the 1980s and the emergence of the New Neoclassical Synthesis of the 1990s. Topics like the conduct of monetary policy at the zero-lower bound as well as the sustainability of fiscal debt are also handled in detail. Finally, the caveats of theoretical frameworks based on intertemporal optimization under rational expectations, and alternative modeling approaches are discussed.

- Language: English
- Semester: Winter and summer semester
- Teaching Method: Lecture
- ECTS: 6

Applied Economic Research 1: Macroeconometric Analysis

Angewandte Wirtschaftsforschung 1: Makroökonometrische Analyse [MAEES08.4]

This course focuses on advanced methods for macroeconometric analysis used in empirical policy-related work. After a brief review of univariate covariance-stationary processes and the ARMA model class, alternative time series decomposition methods such as the Hodrick-Prescott Filter as well as frequency-based filtering methods such as the Baxter-King Filter are discussed. Still in the covariance-stationary domain, the VAR model class for the analysis of multivariate covariance-stationary processes will be discussed in detail. As next, non-stationary time series processes are introduced, as well as the main unit root tests. On this basis, the concept of cointegration, as well as the corresponding VECM model class will be introduced and discussed in detail. Time permitting, other advanced frameworks for the modeling of different types of nonlinear behavior will be discussed.

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Applied Economic Research 2: Disequilibrium and Behavioral Macroeconomics

Angewandte Wirtschaftsforschung 2: Disequilibrium and Behavioral Macroeconomics [MAEES08.2]

This course focuses on various deviations from the neoclassical modeling paradigm consisting of general equilibrium, intertemporal utility maximization and rational expectations. Among many other issues, some questions that are addressed in this course are: Is macroeconomic activity an equilibrium or a disequilibrium phenomenon? What role do expectations play in macroeconomic stability? Are there macroeconomic processes which are inherently unstable and if so, what can macroeconomic policy do about it?

- Language: English
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Applied Economic Research 2: Computational Macroeconomics

Angewandte Wirtschaftsforschung 2: Computational Macroeconomics [MAEES08.2]

The course aims to make students familiar with programming in a programming language commonly used in macroeconomics. In the first few sessions the programming syntax and basic building blocks that will be used later are introduced. Next, after students have obtained some programming skills, the focus turns to applying the learned programming techniques to macroeconomic problems. Students will then be asked to write and modify codes to e.g. solve macroeconomic models. Grades will be based on a final assignment to be handed in after the end of the course.

- Language: English
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Applied Economic Research 3: Financial Macroeconomics*Angewandte Wirtschaftsforschung 3: Financial Macroeconomics [MAEES08.3]*

This course handles key concepts in financial macroeconomics such as asymmetric information, credit rationing, the role of collateral requirements for aggregate credit dynamics, and the financial accelerator mechanism at an advanced level. After an extensive discussion of the problems resulting from asymmetric information in the financial markets, the inclusion of these problems and their solutions in small- and medium-scale macroeconomic models is treated. The occurrence of bank runs and financial contagion as well as the conduct of conventional and unconventional monetary policy in economies with modern financial systems are then discussed in detail. Time permitting, issues like cross-border banking and sovereign default might be handled as well.

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Applied Economic Research 4: Advanced Topics in Empirical Macroeconomics*Applied Economic Research 4: Advanced Topics in Empirical Macroeconomics [MAEES08.1]*

In this Masters level seminar students work on applied or methodological projects related to macroeconomic analysis or macroeconomic modeling. Thereby, they can extend and broaden their background acquired during the lectures "Macroeconomic Analysis" and "Disequilibrium and Behavioral Macroeconomics".

- Language: English
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

3.5.6 Economic Theory

Prof. Dr. Marco Sahm
 Chair of Economic Theory
 Feldkirchenstraße 21, Room F21/02.53
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2728
 Fax: +49 / 951 / 863-5637
 E-Mail: marco.sahm@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/vwl-wt>

Bachelor Program**Industrial Economics***Industrieökonomik [BAEES5.1a]*

The course provides an introduction to fundamental models in industrial economics. It highlights the strategic interaction among firms as well as between firms and consumers on markets with imperfect competition. Throughout, the main focus is on sources of market power and its consequences for social welfare.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Introduction to Public Economics*Einführung in die Finanzwissenschaft [BAEES5.1b]*

The course provides an introduction to public finance: the theory and politics of taxation and public debt.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Applied Game Theory

Anwendungsorientierte Spieltheorie [BAEES5.1b]

The course offers an introduction to the theory of games emphasizing its great variety of economic applications.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Master Courses

Advanced Industrial Economics

Fortgeschrittene Industrieökonomik [MAEES07.3]

This course advances the basic analysis of imperfect competition. The first part focuses on structural aspects of market power such as collusion, mergers, and entry. The second part deals with technological issues like innovation and R&D as well as networks and standards. The last part discusses the role of market intermediaries such as matchmakers and two-sided platforms. Throughout, the main focus is on strategic sources of market power and its consequences for social welfare.

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Games and Contracts

Spiele und Verträge [MAEES07.1]

The course offers a rigorous introduction to the theory of games and contracts. The concepts of game theory permit to analyze situations of strategic interaction in which the economic agents take into account the interdependence of their decisions. Contract theory deals with situations in which a group of agents has the opportunity to realize a joint surplus but single group members have incentives to deviate from the required behavior at the expense of others. Are there mechanisms, institutions, or contracts that can enforce good conduct? This question is of particular interest whenever asymmetric information precludes contracting upon all behaviorally relevant conditions.

- Language: English
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Public Economic Theory

Theoretische Finanzwissenschaft [MAEES07.2]

Public economics deals with the role of the government as an economic player. The course develops the theory for answering questions like the following: What is the scope for market interventions by the government? What is the role of the government for internalizing external effects and providing public goods? How can/should public expenditures be financed? What is the economic burden of taxation and who bears it? What is an optimal tax scheme and how should it look like? How much social security should the government provide?

- Language: English
- Semester: Winter semester

- Teaching Method: Lecture
- ECTS: 6

3.5.7 Economic Policy

Prof. Dr. Frank Westerhoff
 Chair of Economic Policy
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 / 951 / 863-2634
 Fax: +49 / 951 / 863-5635
 E-Mail: frank.westerhoff@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/vwl-wipo/>

Bachelor-Level

Macroeconomics II

Makroökonomie II

Introduction to Macroeconomic Foundations, Part II. Contents: The role of expectations; the open economy; pathologies; monetary and fiscal policy reconsidered.

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture
- ECTS: 6

Master-Level

Financial Market Dynamics

Finanzmarktdynamik

We introduce several agent-based financial market models in which agents rely on technical and fundamental trading rules to determine their speculative investment positions. These (nonlinear dynamic) models are mainly explored through computer simulations.

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Regulation and Control of Financial Markets

Regulierung und Kontrolle von Finanzmärkten

Using agent-based financial market models as an artificial laboratory, we numerically explore the effectiveness of transaction taxes (Tobin tax), central bank interventions, trading breaks and price controls.

- Language German:
- Semester: Summer semester (maybe)
- Teaching Method: Lecture
- ECTS: 6

Economic Dynamics

Dynamische Wirtschaftspolitik

In this course, we discuss first-order linear difference equations, second-order linear difference equations, higher-order linear difference equations, linear difference equations systems, first-order nonlinear difference

equations, second-order nonlinear difference equations, higher-order nonlinear difference equations and nonlinear difference equations systems with the help of numerous economic examples.

- Language: German
- Semester: Summer semester (maybe)
- Teaching Method: Lecture
- ECTS: 6

3.6 Module Description: Statistics and Business Mathematics

3.6.1 Statistics and Econometrics

Prof. Dr. Martin Messingschlager
 Chair of Statistics and Econometrics
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel: +49 / 951 / 863-2530
 Fax: +49 / 951 / 863-2532
 E-Mail: susanne.raessler@uni-bamberg.de
 Internet: <http://www.uni-bamberg.de/stat-oek/>

Bachelor Program

Statistics I

Methoden der Statistik I

The lecture “Statistics I“ provides an introduction to the basic principles and methods of descriptive statistics, while their applicability and the serious interpretation of the results is issue of the accompanying exercise course. The course focus is on techniques for data visualization and data processing, on characterizing distributions by parameters and on the method of linear regression.

Content overview: Descriptive statistics and probability: frequencies, location and dispersion parameters, measures of concentration, correlation and regression, index numbers, seasonal adjustment

- Language: German
- Semester: Summer and winter semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Statistics II

Methoden der Statistik II

In the first part, the course “Statistics II” deals with the basic principles of the theory of probability. Thereby the focus is on the description of random processes by means of parametric random variables. In addition basic principles, particularly the law of large numbers, as well as the central limit theorem are taught.

In the second part of the course, methods of inductive statistics are prioritized. They permit to draw conclusions from a sample to the population. The main emphasis is put on the methods of point and interval estimation as well as on fundamental hypothesis testing. Finally by the linear regression, a method for modelling of simple model correlations is introduced.

Besides the implementation, especially the prerequisites for the applicability of a method as well as the meaningful interpretation of results are discussed. Thereby, the focus of the lecture is on the theoretical derivation, while the own calculation of measures as well as their interpretation are centered in the tutorial.

Content overview: Probability theory: probability calculus, random variables, probability distributions, Chebychev inequality. Inferential statistics: law of large numbers, central limit theorem, point and interval estimation, significance tests (one-sample and two-sample tests, analysis of variance, chi-squared goodness-of-fit test), stratified samples, multiple regression

- Language: German
- Semester: Summer and winter semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Computer-Based Applied Statistics

Angewandte Statistik am PC

R is a free statistical software package which is continuously developed by a worldwide user community. R knowledge is nearly indispensable for socio-scientific research and more and more demanded on the job market.

The tutorial “Computer-Based Applied Statistics” (“Angewandte Statistik am PC”) complements the introductory lecture of statistical methods. Basic skills to import, to manipulate and to analyse data with R are acquired. In particular, the learning contents of “Statistics I & II” (“Methoden der Statistik I & II”) are implemented. In a first step, the use of basic R-objects and –functions is practiced. On this basis, the graphical visualization of data, the estimation of measures of location and dispersion as well as current hypothesis testing methods, particularly t- and F-tests are focused.

Content overview: Application of statistical methods, data analysis using modern software, evaluation and critical interpretation of results

Prerequisites: Statistical Methods I

- Language: German
- Semester: Summer and winter semester
- Teaching Method: Tutorial
- ECTS: 4

Master Program

Basic Econometrics

Grundlagen der Ökonometrie

Classical multiple linear regression on the basis of ordinary least squares methods: Main topics include specification, estimation, inference and prediction, heteroscedasticity, autocorrelation, multicollinearity, simultaneous equations models, instrument variable estimation, introduction to statistical software R

Prerequisites: Statistics I + II

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Advanced Econometrics

Fortgeschrittene Ökonometrie

This course deals with advanced estimation techniques in modern econometrics. Maximum likelihood methods: models for qualitative, ordered, and limited dependent variables, generalized linear models, logistic regression, duration and count data models

Prerequisites: Statistics I + II

Study recommendation: Prior participation in “Basic Econometrics”

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Survey Sampling Theory

Stichprobenverfahren

Theory of survey sampling: Main topics include probabilities of selection and inclusion, Horvitz-Thompson type estimates, sampling procedures, nonresponse, weighting as well as imputation

Prerequisites: Statistics I + II

- Language: German/English
- Semester: Winter semester

- Teaching Method: Lecture/tutorial
- ECTS: 6

Introduction to Programming with R

Einführung in die Programmierung mit R

Main topics of this basic module include the implementation, consolidation and expansion of acquired statistical and econometric knowledge in the statistical software R as well as the introduction to R programming.

Prerequisites: Statistics I + II

- Language: German
- Semester: Winter semester
- Teaching Method: Tutorial
- ECTS: 4

Advanced Data Analysis with R

The focus of this module is on the application of advanced techniques of data analysis with R. Topics include the presentation of fundamental methods like generalised linear models (GLM) as well as visualisation of high dimensional data and methods of data-mining.

Prerequisites: Statistics I + II

- Language: German/English
- Semester: Summer semester
- Teaching Method: Tutorial
- ECTS: 4

Introduction to Bayesian Statistics

Einführung in die Bayes-Statistik

The main focus of the module is the introduction to the fundamental principles of Bayesian statistics and empirical Bayesian methods by using conjugated prior distributions and MCMC methods.

Prerequisites: Statistical Methods I + II

- Language: German/English
- Semester: Summer semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Seminar on Survey-Methodology

Blockseminar Survey-Methodik

This course offers an introduction to survey-methods and their implementation like the treatment of item nonresponse in surveys, multilevel models, counterfactual design etc.

Prerequisites: Statistics I + II

- Language: German
- Semester: Summer semester
- Teaching Method: Seminar
- ECTS: 6

Questionnaire Design

Here the focus is on theoretical and practical knowledge of Questionnaire Design and on their implementation in modern software including written, online and CATI questionnaires.

Prerequisites: Statistics I + II

- Language: German
- Semester: Summer semester

- Teaching Method: Tutorial
- ECTS: 6

Computationally Intensive Techniques/ Monte-Carlo Methods

Rechnerintensive Verfahren/ Monte-Carlo-Methoden

The focus of this module is on transmitting the basic principles of simulation methods: techniques for generating random numbers of different distributions, creation and application of simulation studies. Approached topics are Bayes statistics, posterior distributions, pseudo random variable generation, Markov Chain Monte Carlo techniques and simulation techniques.

Prerequisites: Statistics I + II

- Language: German/English
- Semester: Winter semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Official Statistics

Ämtliche Statistik

The focus is on the introduction of official statistics: besides an overview of institutional and legal conditions of official statistics, the most important economic statistics, methods of official population statistics and population projections, data access and research data centers (RDC), as well as definitions and classifications are presented.

Prerequisites: Statistics I + II

- Language: German
- Semester: Summer and winter semester
- Teaching Method: Seminar
- ECTS: 6

Time Series Analysis

Analyse von Zeitreihendaten

Models for time series data: Main topics include smoothing techniques, seasonal adjustment, stochastic processes, Box-Jenkins ARIMA identification, volatility modelling as well as time series models of heteroscedasticity

Prerequisites: Statistics I + II

Study recommendation: Prior participation in “Basic Econometrics”

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Panel Data Analysis

Analyse von Paneldaten

Estimation techniques for statistical and dynamic models for panel data: This course deals with fixed effects models, random effects models, instrument variable estimation, dynamic linear models and models with limited dependent variables

Prerequisites: Statistics I + II

Study recommendation: Prior participation in “Basic Econometrics”

- Language: German
- Semester: Winter semester
- Teaching Method: Lecture
- ECTS: 6

Multivariate Statistical Methods*Multivariate Verfahren*

Here the focus is on multivariate probability distributions, distance measures, factor analysis, multidimensional scaling, analysis of variance, discriminant analysis, cluster analysis

Prerequisites: Statistics I + II

- Language: German
- Semester: Summer semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Small Area-Estimation Techniques*Small Area-Schätzverfahren*

Here the focus is on estimation of parameters for small sub-populations. Small Area-Estimation is generally used when the sub-population of interest is included in a larger survey.

Prerequisites: Statistics I + II

Study recommendation: Prior participation in “Basic Econometrics”

- Language: English
- Semester: irregular
- Teaching Method: Lecture
- ECTS: 6

Variance Estimation Methods*Varianzschätzmethoden*

This course deals with development of variance estimation techniques for the Hansen-Hurwitz-Estimator etc., application of design-weights as well as linearization methods.

Prerequisites: Statistics I + II

Study recommendation: Prior participation in “Survey Sampling Theory”

- Language: English
- Semester: irregular
- Teaching Method: Lecture/tutorial
- ECTS: 6

Statistics III*Methoden der Statistik III*

Basic knowledge transfer of statistical theory, especially of probability theory, parametric distribution families, asymptotic analysis, as well as transformation and convolution theorems.

Prerequisites: Statistics I + II

- Language: German/English
- Semester: Winter semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

Statistical Analysis of Incomplete Data*Statistische Analyse Unvollständiger Daten*

Fundamental principles of incomplete data analysis are introduced by focusing on multiple imputation techniques of missing data.

Topics: Comparison of naïve methods of missing data analysis with sophisticated methods like EM-algorithms, data augmentation and multiple imputations.

Prerequisites: Statistics I + II

- Language: German/English
- Semester: Winter semester
- Teaching Method: Lecture/tutorial
- ECTS: 6

3.6.2 Business Mathematics

Prof. Dr. Anne Leucht
 Professur für Mathematik in den Wirtschaftswissenschaften
 Feldkirchenstraße 21
 D-96052 Bamberg
 Tel.: +49 /0951 / 863-2740
 E-Mail: anne.leucht@uni-bamberg.de

Basic Studies (1st and 2nd year)

Mathematics for Business and Economics I

Mathematik in den Wirtschaftswissenschaften I

Basic methods of differential calculus and constraint optimization as far as needed for the study of business administration and economics.

- Language: German
- Semester / hours per week: Winter and summer semester / 3
- Teaching method: Lecture, exercises, and tutorials
- ECTS: 4

Mathematics for Business and Economics II

Mathematik in den Wirtschaftswissenschaften II

Basic methods of integral calculus and linear algebra as far as needed for the study of business administration and economics.

- Language: German
- Semester / hours per week: Winter and summer semester / 3
- Teaching method: Lecture, exercises, and tutorials
- ECTS: 4

Advanced Studies (4th and 5th year)

Dynamics, Stability and Optimization

Dynamik, Stabilität und Optimierung

Difference Equations and Differential Equations, Simultaneous Difference Equations and Differential Equations, Phase Diagrams, Calculus of Variations and Control Theory

- Language: German
- Semester / hours per week: Winter semester / 3
- Teaching method: Lecture, exercises
- ECTS: 6