

2022/23

Please keep in mind the year of validity.

FACULTY OF MANAGEMENT,
ECONOMICS AND SOCIAL
SCIENCES

UNIVERSITY OF COLOGNE

VICE DEAN OF STUDIES
DEPARTMENT

valid for students of the
Examination Regulations
2015

(enrolment for
winter semester 2020/21 at
the latest)



MODULE CATALOGUE

BUSINESS ADMINISTRATION: Finance

MASTER OF SCIENCE

IN ACCORDANCE WITH THE EXAMINATION REGULATIONS FOR THE SINGLE MAJOR
MASTER PROGRAMME IN BUSINESS ADMINISTRATION

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List of abbreviations

AM	Advanced module	PRES	Presentation
AS	Assignment	SI	Studium Integrale
C	Course	SM	Specialisation module
CC	Compulsory course	SPM	Supplementary module
CH	Contact hours (= time spent in class)	SPW	Semester period per week
CM	Core Module	SSt	Self-study
EC	Elective course	TP	Term paper
ECTS	Credit point (ECTS)	TPF	Time required for preparation and follow-up
OE	Oral examination	TR	Credit points transferred from another university
PCR	Practical component report	WL	Workload
PO	Portfolio	WT	Written test
PR	Project		

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1 Business Administration

The job opportunities for graduates from the M.Sc. Business Administration programme combine tasks requiring specialist expertise and responsibility for HR and budget matters in businesses. The specialist expertise is acquired through the chosen major. The management components are covered through content concerning management roles and the requirements they pose with regard to analytical thinking in dynamic contexts, method-driven, target-oriented behaviour, reliability and stress resistance in planning and reporting phases and confident intercultural communication in line with the situation at hand, including English-speaking environments. The communication skills required include those needed for situations in which employees and clients need to be involved, informed or given feedback. The specifics of each major are described in the following sections.

1.1 Content and objectives of the programme

The competences gained by graduates correspond to Level 7 of the German Qualification Framework (Deutsche Qualifikationsrahmen) or master's level in the German Qualifications Framework for German Higher Education Qualifications (Deutsche Qualifikationsrahmen für Hochschulabschlüsse). The specific intended learning outcomes are as follows: graduates have detailed specialist knowledge in their specified specialisations and are able to apply that knowledge in different contexts at various levels of aggregation, including cases in which solutions are sought to business administration problems affecting various areas. They are able to identify special features and differences in terminology and content and assign them to the different concepts and doctrines of the field in question whilst also hypothetically accepting different standpoints and viewing the problem from different perspectives. Graduates contribute their own standpoints to debate and thus help develop joint standpoints within a group or organisation. They actively support the principles of academic discourse, call for arguments to be backed up by methodical and systematic evidence and assess the quality of those arguments. Graduates understand businesses' role and responsibility in society and can cope with the challenges and changes in professional life in an ethically and morally appropriate manner. They are able to keep abreast of research findings, question them and integrate them into their professional context in an innovative way. They can vary solutions according to the situation at hand, taking into account dynamic effects and side effects, which they reflect on and anticipate. Graduates are able to work on new solutions or research questions in a methodically efficient way independently and in a team and to take responsibility for the results of their work and, where necessary, special responsibility for the work of the group. They indicate their own standpoint and that of the group when faced with alternative decisions and assess the alternatives based on variable criteria, i.e. social, ethical and academic standards. They present the

results of their work in a way that is understandable for the target group, using relevant and efficient media formats. They justify them to experts and clients, even where the information available to them is incomplete or unreliable.

In the Finance major students learn about capital market instruments and internal corporate financing methods. Graduates achieve an exceptionally deep fundament of theoretical knowledge and typical patterns of behaviour in areas of capital markets, corporate, banking and insurance financing. They are able to diagnose the meaning of enterprise value, compliance and social responsibility. They know how to scale and evaluate risks. Banks and insurers need to concentrate more on risk measurement and management in the face of tighter regulation. The programme focuses on (corporate) finance, banking and insurance. Jobs can be found in Banks, insurance companies and providers of capital investment services. Employment opportunities can also be found in the financial side of consultancies and audit firms.

1.2 Requirements

To be accepted for the Master in Business Administration programme with the Finance major, applicants must have successfully completed a bachelor programme, on which they earned at least 180 ECTS credits, or an equivalent programme. In accordance with the Regulations concerning determination of aptitude for the Business Administration programme for the major in Finance, a programme is deemed successfully completed if the overall mark was at least 2,7 or international equivalent.

The Bachelor programme must also comply with the following subject-related criteria:

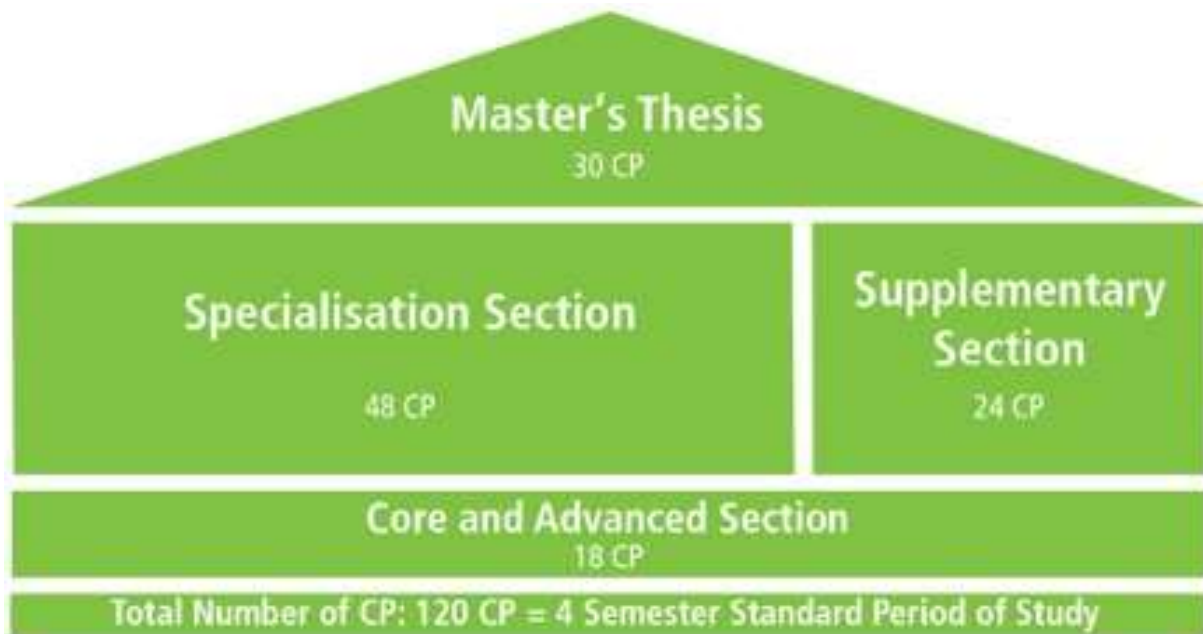
- at least 78 ECTS credits in the field of Business Administration and Economics and
 - of which at least 48 ECTS in the field of Business Administration and
 - of which at least 18 ECTS in the field of Economics and
- at least 15 ECTS credits in the field of Statistics and/or Mathematics (methodological expertise only, no user expertise).

Proof of English language skills to at least B2 in line with the Common European Framework of Reference for Languages must also be supplied by the deadline for application. The generally established certificates (TOEFL, IELTS, etc.) are accepted.

If the number of applicants who meet the admission requirements is higher than the number of places available on the programme, a selection process is conducted to rank the applicants. The **selection procedure** is based on the result of the applicant's bachelor degree or of a degree recognised as being equivalent and the result of a voluntary aptitude test (TM-WISO or GMAT).

1.3 Programme structure

The Master in Business Administration programme comprises 120 ECTS credits, lasts four terms as the standard period of study and consists of the following subject categories: the core section (18 ECTS credits) consists of basic method modules, chosen by the student. The specialisation section (48 ECTS credits) consists of modules for the respective major and the seminar. In the supplementary section (24 ECTS credits), students can choose from among a wide range of possibilities in the fields of business administration, economics and social sciences. The last section is the master's thesis, carrying 30 ECTS credits.



1.4 Study Abroad Option

The WiSo Faculty offers a broad range of study abroad options within an excellent network of prestigious partner universities worldwide. The so-called Study Abroad Programme (STAP) includes ERASMUS exchanges and provides an opportunity for a single-term stay at one of the WiSo Faculty's partner universities.

Successful STAP applicants benefit from direct contact and organisational support at the partner university and are exempt from paying tuition fees there. The range of universities available depends on the master course on which the student is enrolled – the possible options are listed in the **WiSo EXchange (WEX) International Outgoings Portal** (access through the student's UoC account only), along with detailed information on each university.

Every year, in addition to the STAP programme, the WiSo Faculty organises an exclusive short-term study option WiSo@NYC which takes place in New York City.

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In addition to these options offered by the Faculty, master students can also apply for a non-WiSo exchange, offered by Dezernat 9 – Internationales (Central International Office of the University of Cologne) within the ‘fakultätsübergreifende Partnerschaften’ framework. Further possibilities are going abroad as a freemover (i.e. as a student who organises his or her stay abroad individually) or participating in short courses or summer schools offered under separate terms and conditions.

For all study abroad options, the **International Relations Center** (ZIB WiSo) serves as point of information and advice.

The Faculty’s Study Abroad Programme (STAP):

Master students should plan and submit their application for a term abroad at the beginning of their master course. The STAP main selection round takes place once a year with application deadline 1 December and allows for an application either for fall term or spring term of the following academic year. Detailed information on the selection criteria and the best preparation for a STAP application can be found online in the **STAP Master Application Manual**. (As an exception, if a certain number of slots are still available for spring term, a secondary STAP selection round will be offered in May, with a limited choice of exchange opportunities):

STAP Master – main selection round (fall term and spring term)



* Deadline for handing in final bachelor degrees and/or TOEFLS/IELTS results (if taken until 15 December): 15 January. ** Alternative offer: if no offer can be given at one of the five preferred universities and if slots at other universities are available. *** End of main selection round. In case any exchange slots become available after 15 March, these slots will be made available in a secondary selection round.

STAP Master – secondary selection round (for spring term only)

Please note: there is no guarantee that a secondary selection round will take place every year, nor should a wide range of exchange opportunities be expected.



* Deadline for handing in TOEFLS/IELTS results (if taken until 1 June): 15 June. ** Alternative offer: if no offer can be given at one of the five preferred universities and if slots at other universities are available.

Credit transfer options from studies abroad:

The WiSo Faculty has put a lot of emphasis on internationalisation in the design of its master courses, offering broad credit transfer options for all kinds of study abroad options. Each master course includes at least one "Studies Abroad" module, with a broad range of courses suitable for credit transfer. In addition, a single course-to-course credit transfer can be considered. For more information on credit transfer rules and regulations, please go to **WiSo Credit Transfer Center** > Information > Studies Abroad. For any questions regarding credit transfer, students can contact the **ZIB WiSo** or the **WiSo Credit Transfer Center**.

1.5 Sample study plan

M.Sc. PROGRAMME IN BUSINESS ADMINISTRATION, MAJOR in Finance				
Term	EC/ CC	Module	Section	ECTS
1	EC	Core Module I	Core section	6
1	CC	Specialisation Module Financial Theory	Specialisation section	12
1	CC	Specialisation Module Financial Institutions Management	Specialisation section	12
				30
2	CC	Specialisation Module Seminar	Specialisation section	6
2	EC	Specialisation Module I	Specialisation section	6
2	EC	Specialisation Module II	Specialisation section	6
2	EC	Supplementary Module I	Supplementary section	12
				30
3	EC	Core Module II	Core section	6
3	EC	Specialisation Module III	Specialisation section	6
3	EC	Supplementary Module II	Supplementary section	6
3	EC	Supplementary Module III	Supplementary section	6
3	CC	Core Module Management Skills*	Core section	6
				30
4	CC	Master's thesis Business Administration	Master's thesis	30
				30

*An assignment of the module is possible from the first term, there are no professional requirements. The module is offered every term.

M.Sc. PROGRAMME IN BUSINESS ADMINISTRATION, MAJOR in Finance (Studies Abroad included)				
Term	EC/ CC	Module	Section	ECTS
1	EC	Core Module I	Core section	6
1	CC	Specialisation Module Financial Theory	Specialisation section	12
1	CC	Specialisation Module Financial Institutions Management	Specialisation section	12
				30
2	EC	Core Module II	Core section	6
2	CC	Core Module Management Skills*	Core section	6
2	EC	Specialisation Module I	Specialisation section	6
2	EC	Specialisation Module II	Specialisation section	6
2	CC	Specialisation Module Seminar	Specialisation section	6
Studies Abroad				30
3	EC	Specialisation Module III	Specialisation section	6
3	EC	Supplementary Module Studies Abroad I	Supplementary section	12
3	EC	Supplementary Module Studies Abroad II	Supplementary section	12
				30
4	CC	Master's thesis Business Administration	Master's thesis	30
				30

*An assignment of the module is possible from the first term, there are no professional requirements. The module is offered every term.

1.6 Modules with mid-term examinations

Some modules have courses that only run for half a term and usually with twice the normal number of classes. For these modules, the term is divided into two roughly equal halves. In the fall, the mid-term usually ends at the beginning of December; in the spring, it is usually in the middle or at the end of May. Often, the examinations for these courses are held mid-term, enabling students to reduce their examination load at the end of term.

The information in the campus management system (KLIPS) regarding the dates of courses and examinations is relevant in this context.

2 Support for students

2.1 Calculation of the overall mark

The marks for core and advanced, supplementary and specialisation categories are calculated as the weighted arithmetic mean of the marks for the respective modules, based on the weighting system described in the annexes. In the case of end-of-module examinations consisting of several components, the mark for the module is calculated as specified in the annex. The overall mark for the degree is calculated as the weighted arithmetic mean of the marks for the subject categories and the mark for the master's thesis. On the Business Administration programme, the weighting for the contributions to the overall mark is as follows:

- a) Mark for core and advanced section: 12 of 114 ECTS credits
- b) Mark for specialisation section: 48 of 114 ECTS credits
- c) Mark for supplementary section: 24 of 114 ECTS credits
- d) Mark for master's thesis: 30 of 114 ECTS credits

2.2 Rules for failed attempts

Students may retake module examinations that they have failed. The number of attempts is limited to three per module. Modules offered by faculties other than the Faculty of Management, Economics and Social Sciences ("WiSo Faculty") may be subject to different rules.

After failing an exam three times, the **WiSo Student Service Point (WiSSPo)** provides information regarding the possibility and the requirements to receiving additional resit attempts. If none of the first three examination attempts were failed due to cheating or to an offence, further two resit attempts can be granted at any point of the programme. Students who have accumulated at least 90 credit points can be granted a further additional attempt. If a student fails an examination in the two additional attempts and the extra attempt for students with 90 points or more, they are deemed to have failed the programme at the final attempt. Where a module examination consists of several components, the candidate must obtain a "bestanden" (pass) mark, or at least an "ausreichend (4,0)" (sufficient) mark, in all of the examination components. All components marked "mangelhaft (5,0)" or "nicht bestanden" (fail) must be retaken.

It is not possible to resit module examinations that have already been passed.

A failed master's thesis can be retaken once, with a new topic. Students must register for their second attempt within six months of the result of their first attempt being announced.

2.3 Subject-specific advice and examination advice

The **WiSSPo** provides general advice on studies, including the possibilities available and the requirements, for all programmes offered by the WiSo Faculty. Further services include the issuing of transcripts of records in German and English, ranking certificates and letters of assignment to the appropriate term of the programme and the application for advanced / higher semester. The **WiSSPo** is also the first place to turn to for students with other questions and problems related to their studies. It can be contacted by phone, in person and, of course, e-mail. Please notice the opening hours and contact data on the website.

Subject-specific advice is provided during the designated times by the University's faculty members and associated teaching staff ("akademische Mitarbeiter/innen") involved in the teaching on the programme. The designated times are announced by means of notices in the institutes and on the departments'/institutes' websites.

Legally binding information concerning examinations and examination procedures is provided by the **WiSo Faculty Examination Offices**.

2.4 Other sources of information and advice

"KLIPS 2.0" is the central campus management system of the University of Cologne. At the WiSo faculty, KLIPS 2.0 serves as a student organisation tool. Students should use it as an online course catalogue, for registration and deregistration of courses and examinations, as well as an overview of the complete study programme and calendar. Information on current dates and deadlines of the WiSo faculty, as well as video tutorials and FAQs about KLIPS can be found on the homepage of **WiSo-KLIPS-Support**. If you have further questions, feel free to contact WiSo-KLIPS-Support via **e-mail** (klips-wiso@uni-koeln.de). For account questions, contact the central **KLIPS support**.

International students who study at the WiSo Faculty for part of their programme can turn to the **International Relations Center** ("Zentrum für Internationale Beziehungen" or "ZIB") for help with any questions they have. Cologne University students preparing to study abroad can also contact the ZIB for support. The Center also runs a variety of summer schools, short programmes and Business English courses. The services, courses and people to contact can all be found on the website.

The Faculty's **Credit Transfer Centre (Zentrum für die Anrechnung auswärtiger Leistungen)** is responsible for recognising credits accumulated in other institutions. This applies both to credits students have gained at other higher education institutions in Germany or abroad prior to studying at the WiSo Faculty, and to (advance) transfer of credits that students plan to accumulate abroad or have already accumulated abroad as part of a WiSo Faculty

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programme. This system eliminates the need to make individual inquiries to departments/institutes and examination offices. Students can find out everything they need to know about the transfer process on the website.

The **WiSo Career Service** offers advice and support, in cooperation with other partners, for students from the WiSo Faculty looking for an internship or profession that is right for them. It also helps them as they plan their career and apply for jobs. In addition, the WiSo Career Service organises seminars, presentations and special events in cooperation with employers and external and internal experts. All of the necessary information can be found on the website.

The **WiSo IT Service** runs regular courses dealing with standard software and field-specific programmes.

Students who are having difficulties with their studies or their personal lives can seek help from the **Psychosocial Counselling Service** run by the Kölner Studentenwerk. In addition to counselling, it also provides advice on writing and learning skills plus support for pregnant students and students who have children.

A further service is **Nightline** Köln, the listening and information helpline run by students for students at all of Cologne's institutions of higher education.

The WiSo student council represents the interests of all students of the WiSo faculty. In addition to advice from fellow students it also provides a variety of useful services for studying at the WiSo faculty. Any information can be found at **wiso-buero.de** or by directly writing an email to **wiso-buero@uni-koeln.de**.

3 Curriculum and module descriptions

3.1 Core and advanced section

In accordance with section 29(1), No. 1 of the Examination Regulations, the examination candidate must obtain 18 ECTS credits in the core and advanced section.

Group	Module	CP	CC/EC	Required	
Basic Methods Finance	CM Management Skills	6	CC	6	18
	CM Econometrics ¹	6	EC	12	
	AM Empirical Methods	6	EC		
	CM Microeconomics (Business Administration)	6	EC		
	SpM Empirical Methods and Data Analysis I	6	EC		
	SpM Empirical Methods and Data Analysis III	6	EC		
	CM Selected Methods in Economics	6	EC		
	CM Applied Econometrics (Business Administration)	6	EC		

¹ No examination registration possible, if the core module Econometrics I (1314BMEc01) has already been passed.

3.2 Specialisation section

In accordance with section 29(1), No. 2 of the Examination Regulations, the examination candidate must obtain 48 ECTS credits in the specialisation section.

Group	Module	CP	CC/EC	Re-quired
Foundation Knowledge	Specialisation Module Financial Theory	12	CC	24
	Specialisation Module Financial Institutions Management	12	CC	
Advanced/Elective Module	Specialisation Module Finance 2	6	EC	Max. 18
	Specialisation Module Finance 3	6	EC	
	Specialisation Module Finance 5	6	EC	
	Specialisation Module Finance 6	6	EC	
	Specialisation Module Finance 7	6	EC	
	Specialisation Module Finance 8	6	EC	
	Specialisation Module Value-Based Management in Insurance	6	EC	
	Specialisation Module Selected Issues in Finance I (6 LP)	6	EC	
	Specialisation Module Research in Finance (Research Track)	6	EC	
Semi-seminars	SpM Finance Seminar ^{1, 2}	6	EC	Min. 6

¹ This module will be offered for the first time in the winter term 2022/23. It replaces the two specialisation modules Finance Seminar I (1259SMAF01) und II (1259SMAF02).

² This module will be offered for the first time in the academic year 2022/2023 according to the planned schedule.

3.3 Supplementary section

In accordance with section 29(1), No. 3 of the Examination Regulations, the examination candidate must obtain 24 ECTS credits in a sub-group of the supplementary section.

Group	Module	CP	CC/EC	Required
Accounting and Taxation	SpM Taxation I	6	EC	24
	SpM Taxation II	6	EC	
	SpM Controlling I	6	EC	
	SpM Controlling II	6	EC	
	SpM Accounting I	6	EC	
	SpM Accounting II	6	EC	
	SpM Selected Issues in Accounting & Taxation I	6	EC	
	SpM Selected Issues in Accounting & Taxation II	6	EC	
	SpM Advanced Accounting	6	EC	
Business Research	Specialisation Module Research in Finance (Research Track)	6	EC	24
	Specialisation module Selected Issues in Corporate Development II	6	EC	
	CM Advanced Mathematics	6	EC	
	CM Selected Methods in Economics	6	EC	
	AM Computational Methods ¹	6	EC	
	CM Advanced Microeconomics I	6	EC	
	CM Advanced Microeconomics II	6	EC	
	CM Advanced Macroeconomics I	6	EC	
	CM Advanced Macroeconomics II	6	EC	
	CM Advanced Econometrics I	6	EC	
	CM Advanced Econometrics II	6	EC	

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Design & Behavior	CM Microeconomics (Business Administration)	6	EC	24
	SpM Market Design and Behaviour II	6	EC	
	SpM Market Design and Behaviour IV	6	EC	
	Specialisation Module Behavioral Economics	6	EC	
	CM Selected Methods in Economics	6	EC	
	SpM Market Design and Mechanism Design	6	EC	
Finance	Specialisation Module Finance 2	6	EC	24
	Specialisation Module Finance 5	6	EC	
	Specialisation Module Finance 6	6	EC	
	Specialisation module Finance 7	6	EC	
	Specialisation module Finance 8	6	EC	
	Specialisation Module Value-Based Management in Insurance	6	EC	
	Specialisation Module Selected Issues in Finance I (6 LP)	6	EC	
Growth, Labor and Inequality in the Global Economy	CM Macroeconomics	6	EC	24
	SpM Markets and Economic Policy I	6	EC	
	SpM Markets and Economic Policy IV	6	EC	
	SpM Markets and Economic Policy III	6	EC	
	SpM Markets and Economic Policy V	6	EC	
	SpM Market Design and Behaviour III	6	EC	
Markets & Institutions	CM Microeconomics (Business Administration)	6	EC	24
	Specialisation module Competition Policy	6	EC	
	SpM Media Economics	6	EC	
	CM Health Economics III	6	EC	
	SpM Market Design and Behaviour III	6	EC	
	SpM Market Design and Mechanism Design	6	EC	

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Statistics & Econometrics	SpM Empirical Methods and Data Analysis I	6	EC	24
	SpM Empirical Methods and Data Analysis III	6	EC	
	SpM Empirical Methods and Data Analysis IV	6	EC	
	SpM Empirical Methods and Data Analysis V	6	EC	
	Specialisation Module Seminar Statistics and Econometrics	6	EC	
	CM Econometrics ²	6	EC	
	AM Empirical Methods	6	EC	
Studies Abroad	Studies Abroad I (Master)	12	CC	24
	Studies Abroad II (Master)	12	CC	

¹ No examination registration possible, if the core module Methods (1289BMMMe00) has already been passed.

² No examination registration possible, if the core module Econometrics I (1314BMec01) has already been passed.

3.4 Extracurricular course programme

In addition to their regular studies Master's students have the opportunity to take part in extracurricular courses, in which both academic and vocational skills are taught. Thus it can have an academic and a professional orientation, which serve the development of professional competences. The extracurricular course programme intends to promote and impart competences that go beyond specialist knowledge or concern basic scientific or personal attitudes: scientific curiosity, systematic and analytical thinking, dealing with complexity, solution-orientation and other skills, e.g. the ability to work in a team and foreign language skills.

The extracurricular course programme is offered jointly by the faculties and the Professional Centre of the University of Cologne and enables students to pursue their own additional interests, to gain insights into other subjects and faculties, to attend events of social importance, to acquire professionally relevant skills and to attend language courses. In addition, students are offered learning and study aids as part of the extracurricular programme, e.g. for scientific work or literature research. Extracurricular courses are not credited, but the participation is noted on the transcript of records.

3.5 Master's thesis

The master's thesis, which carries 30 ECTS credits, is written towards the end of the programme. It is intended to show that the student is capable of conducting academic work on and reflecting on a specific problem related to the subject matter covered on the programme, using the necessary methods and within a specified period. The topic of the master's thesis on the Business Administration programme must come from the specialisation section or from the subject group taken by the candidate in the supplementary section. If the topic relates to the supplementary section, the candidate must already have accumulated 18 ECTS credits in said supplementary section.

Group master's theses are also permitted provided a clear distinction between and assessment of each candidate's contribution is possible. Objective criteria that make a clear distinction possible, such as sections, page numbers or topics, are used to indicate which student made which contribution. The total workload required of each group member must exceed the requirements for individual masters' theses to an appropriate extent. The difficulty and content of a group thesis must meet the same requirements as for theses undertaken individually and independently. The contribution made by each individual must meet the requirements for masters' theses.

To register to do their master's thesis, students must have accumulated a minimum of 60 ECTS credits. They may take no longer than six months to write the thesis. Further, more detailed information on master's theses can be found in the Examination Regulations.

3.6 Module Descriptions

3.6.1 Core and Advanced Section

Core Module Management Skills					
Module Code 1011BMMS00	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every term	Duration 1 Term
1	Courses		Contact Hours	Self-Studies	Course Language
2	Module Content <ul style="list-style-type: none"> • Models of leadership, communication, presentation, planning, analysis and reflection • Rules and techniques for and phases of leadership, communication, presentation, planning, analysis or reflection • Requirements, influencing factors and make-or-break criteria concerning the social and methodical aspects of management tasks • Disruptive factors and difficulties in the performance of management tasks. • Typical management task situations 				
3	Learning Objectives Students... ... analyse the social and methodical aspects of management tasks in companies for specific situations. ... can distinguish between and analyse the various management task functions in the areas of leadership, communication, presentation, planning, analysis and reflection. ... define the necessary analytical and organisational tasks within one area of management. ... analyse the requirements for typical management skills from the perspective of one area of management. ... compare suitable approaches and theories based on situational requirements. ... select suitable methods and practise managing the situation using those methods. ... reflect on and assess their own actions and those of others and identify development potential. ... identify any additional requirements and suggest ways of enhancing specific methods. ... engage in academic discourse.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the combined examination.				
8	Other Programmes that Use the Module Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Finance:				

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	Core and Advanced Section Finance Master of Science Business Administration - Marketing: Core and Advanced Section Marketing Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management
9	Module Manager AD Dr. Johannes Antweiler
10	Miscellaneous A range of seminars are offered, each focusing on different aspects of management skills.

CM Econometrics					
Module Code 1314MBECO1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Econometrics		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Linear regression model • Least squares (LS) method and generalized least squares (GLS) method • Endogeneity and instrumental variable (IV) method • Maximum likelihood (ML) method • Models for limited dependent variables • Time series models 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... justify and defend (independently developed) positions or problem solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendation				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Master of Science Economics: Core and Advanced Section Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing:				

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	<p>Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Marketing: Core and Advanced Section Marketing Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Roman Liesenfeld</p>
10	<p>Miscellaneous</p>

AM Empirical Methods					
Module Code 1314MAEMT1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Empirical Methods		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Principles of modern data analysis • Parametric and nonparametric statistical inference • Causal Inference • Specialized econometric tools • Machine learning and big-data methods • Classification methods 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements Recommendation: BM Econometrics				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance Master of Science Information Systems:				

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	<p>Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Marketing: Core and Advanced Section Marketing</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe</p> <p>Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation</p> <p>Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Jörg Breitung</p>
10	<p>Miscellaneous</p>

CM Microeconomics (Business Administration)					
Module Code 1289MBMBA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Microeconomics: Game Theory		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Non-cooperative Game Theory • Normal form games • Extensive form games, with complete and incomplete information • Finitely and infinitely repeated games • Cooperative Game Theory • Core, Shapley-value, bargaining problem • Evolutionary game theory • Social choice theory, voting • Condorcet-paradox, Arrow-theorem 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of Game Theory. ... assess and discuss findings and research results of specialized methods. ... analyse data for selected scientific questions using quantitative methods. ... communicate continuously and purposefully in diverse teams. ... critically evaluate current social developments and develop alternative solutions. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Bachelor Level Microeconomics, Macroeconomics, Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Arts Regionalstudien China - Volkswirtschaftslehre:				

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	<p>Economics Master Regional Studies China</p> <p>Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Core and Advanced Section Finance</p> <p>Master of Science Business Administration - Marketing: Core and Advanced Section Marketing</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe</p> <p>Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation</p> <p>Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Bettina Rockenbach</p>
10	<p>Miscellaneous</p>

SpM Empirical Methods and Data Analysis I					
Module Code 1314MSEMD1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Statistical Inference b) Topics in Econometrics and Statistics I		Contact Hours a) 45h b) 45h	Self-Studies a) 135h b) 135h	Course Language a) English b) English
2	Module Content <ul style="list-style-type: none"> • Foundations of probability theory • Theory of point estimation and estimation techniques (e.g. maximum likelihood) • Theory of hypothesis testing and selected tests • Interval estimation 				
3	Learning Objectives Students... ... understand advanced, specialised theories / methods.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: solid basic knowledge of probability theory				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the written examination of one course. A course is to be attended; the written examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Marketing: Core and Advanced Section Marketing				

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	Master of Science Economic Research: Supplementary Section Economic Research Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation
9	Module Manager Univ.-Prof. Dr. Dominik Wied
10	Miscellaneous

SpM Empirical Methods and Data Analysis III					
Module Code 1314MSEMD3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Time Series Econometrics b) Stochastic Models and Processes c) Topics in Econometrics and Statistics III		Contact Hours a) 45h b) 45h c) 45h	Self-Studies a) 135h b) 135h c) 135h	Course Language a) English b) English c) English
2	Module Content a) Time Series Econometrics: <ul style="list-style-type: none"> • ARMA Models • State-Space Models • Models for Non-Stationary Time Series • Multivariate Time Series Models • Non-Stationarity in Multivariate Time Series b) Stochastic Models and Processes: <ul style="list-style-type: none"> • Deepening topics in statistical inference • bootstrap • nonparametric density estimation • nonparametric tests (e.g. for independence) • Brownian motions • Poisson processes • Markov processes Course c) Topics in Econometrics and Statistics III will be offered if available.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Solid basic knowledge of probability theory				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the written examination of one course. A course is to be attended; the written examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management				

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	<p>Master of Science Economics: Specialization Section Economics Supplementary Section</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance</p> <p>Master of Science Information Systems: Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Marketing: Core and Advanced Section Marketing</p> <p>Master of Science Economic Research: Specialization Section Economic Research Supplementary Section Economic Research</p> <p>Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation</p>
9	<p>Module Manager Univ.-Prof. Dr. Dominik Wied</p>
10	<p>Miscellaneous</p>

CM Selected Methods in Economics					
Module Code 1289MBEXE1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Experimental Methods		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Experimental Methods in economics • Experimental designs • Analysing experimental data 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of experimental Economics. ... analyse current questions and challenges in the area of Microeconomics. ... assess and discuss findings and research results of specialized methods. ... analyse data for selected scientific questions using quantitative methods. ... present scientific results in a way that is appropriate for the target audience. ... critically evaluate current social developments and develop alternative solutions. ... use techniques of scientific work and good scientific practice. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Bachelor Level Microeconomics, Macroeconomics, Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Business Administration - Supply Chain Management: <ul style="list-style-type: none"> Core and Advanced Section Supply Chain Management Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: <ul style="list-style-type: none"> Supplementary Section Finance Master of Science Information Systems: <ul style="list-style-type: none"> Supplementary Section Information Systems Master of Science Business Administration - Marketing: <ul style="list-style-type: none"> Supplementary Section Marketing Master of Science Business Administration - Corporate Development: <ul style="list-style-type: none"> Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: <ul style="list-style-type: none"> Supplementary Section Accounting and Taxation Master of Arts Politikwissenschaft: <ul style="list-style-type: none"> Supplementary Section Political Science Master of Science Sociology and Social Research: <ul style="list-style-type: none"> Supplementary Section Sociology and Social Research 				

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	Master of Science Business Administration - Finance: Core and Advanced Section Finance Master of Science Business Administration - Marketing: Core and Advanced Section Marketing Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation
9	Module Manager Univ.-Prof. Michael Krause, Ph.D.
10	Miscellaneous

CM Applied Econometrics (Business Administration)					
Module Code 1289MBAEC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Applied Econometrics (Master Business Administration)		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Statistical Foundations and Testing • Experiments and RCTs • Regression (OLS, dummy variables, omitted variable bias, nonlinear models, binary dependent variables) • Instrumental Variables • Regression Discontinuity • Panel data (Fixed effects, differences-in-differences) 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of labour markets. ... assess and discuss findings and research results of specialized theories / methods. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... justify and defend (independently developed) positions or problem solutions. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... develop work processes for real problems and challenges. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Knowledge of basic econometrics and statistics, basic knowledge of R				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Master of Science Business Administration - Finance: Core and Advanced Section Finance Master of Science Business Administration - Marketing: Core and Advanced Section Marketing Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation				

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9	Module Manager Univ.-Prof. Dr. Pia Pinger
10	Miscellaneous

3.6.2 Specialisation Section

Specialisation Module Financial Theory					
Module Code 1259SFith0	Workload 360h	ECTS Credits 12	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Capital Market Theory (1. Term) b) Corporate Finance Theory (1. Term)		Contact Hours a) 60h b) 60h	Self-Studies a) 120h b) 120h	Course Language a) English b) English
2	Module Content <ul style="list-style-type: none"> • Capital markets and consumption • Investment decisions given certainty and uncertainty • Portfolio theory • Asset pricing models • Analysis and valuation of forwards, futures, and options • Equity valuation models (in particular Discounted Cash Flow methods, models of residual income, Multiples approach) • Impact of financial policies • M&A activities and defensive strategies • Aspects of balancing of accounts and financial realisation of mergers and acquisitions 				
3	Learning Objectives Students... ... analyse investment decisions. ... understand asset pricing models. ... determine the value of securities and derivatives. ... use different methods of valuing companies and individual assets. ... learn how to analyse annual accounts in order to extract value relevant information. ... recognize different theories explaining M&A-activities. ... analyse manager interests in mergers and acquisitions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the written test. Both courses must be attended; the examination refers to topics of both courses.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems:				

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	<p>Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Mathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Economics: Supplementary Section</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science International Management: Core and Advanced Section International Management Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p> <p>Master of Science Geographie: Business Administration Master Geography</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China</p>
9	<p>Module Manager Univ.-Prof. Dr. Dieter Hess Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p>

Specialisation Module Financial Institutions Management					
Module Code 1259SFIMa0	Workload 360h	ECTS Credits 12	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Insurance Economics b) Risk Management (2. Term)		Contact Hours a) 60h b) 60h	Self-Studies a) 120h b) 120h	Course Language a) English b) English
2	Module Content Module content 1. Risk Management <ul style="list-style-type: none"> • Risk control on perfect and imperfect financial markets • Risk and risk measures • Management of liquidity risk • Management of interest rate risk • Management of default risk 2. Insurance Economics <ul style="list-style-type: none"> • Insurance demand theory • Production theory in insurance • Market balance in regard to information symmetry and asymmetry • Basics of sector-specific tariff calculation and reserve creation • Claim settlement • Introduction to solvency standards 				
3	Learning Objectives Students... ... analyse various risk measures in terms of effective risk/return management. ... apply risk measures to decision-making problems in bank operations. ... assess regulatory standards intended to limit risk. ... are familiar with the methods for measuring market and default risks. ... assess instruments for controlling market and default risks. ... analyse insurance supply and demand. ... can explain information symmetry and asymmetry. ... assess the institutional parameters for insurance markets. ... calculate premiums and reserves in life and indemnity insurance.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the written test. Both courses must be attended; the examination refers to topics of both courses.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management:				

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	<p>Supplementary Section Supply Chain Management</p> <p>Master of Science Information Systems: Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Mathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Economics: Supplementary Section</p> <p>Master of Science Gesundheitsökonomie: Supplementary Section Health Economics</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p> <p>Master of Science Geographie: Business Administration Master Geography</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China</p>
9	<p>Module Manager</p> <p>Univ.-Prof. Dr. Thomas Hartmann-Wendels Univ.-Prof. Dr. Heinrich R. Schradin</p>
10	<p>Miscellaneous</p>

Specialisation Module Finance 2					
Module Code 1259SMFi09	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Fixed Income Management		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Market for Fixed Income securities • Trading strategies • Types of bonds and risk factors • Yield curves • Bond valuation and management • Interest rate derivatives 				
3	Learning Objectives Students... ... outline how the Fixed Income market operates. ... analyse various investment styles and their prospects of success. ... value bonds and bond portfolios. ... calculate the risks involved in bonds. ... weigh the anticipated return against the risk taken in order to ensure professional and responsible risk management. ... compare portfolio management strategies. ... answer critical questions confidently. ... work on practical exercises in small groups to discuss the knowledge and methods learned in class. ... agree on suitable methods for solving the practical exercises within the small groups and justify their decision. ... students reflect their own learning success by solving case studies independently.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommended: Specialisation Module Financial Theory				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development				

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	<p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Mathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p> <p>Master of Science Geographie: Business Administration Master Geography</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China</p>
9	<p>Module Manager Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p>

Specialisation Module Finance 3					
Module Code 1259SMFi03	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Banking		Contact Hours 60h	Self-Studies 120h	Course Language German
2	Module Content Banking: <ul style="list-style-type: none"> • Introduction to Banking • Theoretical Explanations of Banks • Measurement of Liquidity Risks • Measurement and Management of Credit and Market Risk • Measurement and Management of Operational Risk • Capital Requirements • Bank Management and Bank Controlling 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... identify the different types of investment bank, their business activities and their markets. ... analyse the impact of regulatory changes on investment banks' structures and activities and the markets they serve. ... analyse suitable procedures for M&A transactions depending on different situational contexts. ... analyse the suitability of different financing instruments for debt and equity markets from the perspective of the issuers and potential investors. ... know the interests of the various institutions involved in M&A transactions and analyse possible compromise solutions. ... explore the different forms of asset-backed transaction. ... analyse ways of using ABS to control credit portfolios and optimise regulatory equity. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written examination.				
8	Other Programmes that Use the Module Master of Science Business Administration - Finance: Specialization Section Finance				
9	Module Manager Area Finance				
10	Miscellaneous				

Specialisation Module Finance 5					
Module Code 1259SMFi10	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Insurance		Contact Hours 60h	Self-Studies 120h	Course Language German
2	Module Content Part A: Reinsurance and ART <ul style="list-style-type: none"> • Reinsurance and Alternative Risk Transfer • Forms of traditional Reinsurance • Financial Reinsurance • Alternative Risk Transfer Part B: Management of groups and mutual principle <ul style="list-style-type: none"> • Management of groups and mutual principle • Construction of insurance groups • Risk Management and insurance groups 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of finance. ... analyse current questions and challenges in the area of finance. ... assess and discuss findings and research results of specialized theories / methods. ... discuss scientific topics in a professional manner and appropriate to the situation. ... critically evaluate current developments in finance. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test. Both courses must be attended; the examination refers to topics of both courses.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik: MA Business and Economics Sciences Mathematics				

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	<p>Master of Science Economics: Supplementary Section</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p>
9	<p>Module Manager Univ.-Prof. Dr. Heinrich R. Schradin</p>
10	<p>Miscellaneous</p>

Specialisation Module Finance 6					
Module Code 1259SMFi06	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Empirical Finance b) Banking, Pricing & Analytics (winter term)		Contact Hours a) 60h b) 60h	Self-Studies a) 120h b) 120h	Course Language a) English b) German
2	<p>Module Content</p> <p>Empirical Analytics:</p> <ul style="list-style-type: none"> • Selected basic and advanced econometric methods, particularly OLS, FGLS, panel and time series • Test methods for assessing the quality of estimated and forecast results • Use of regression models as part of analysis of theoretical models and estimation/forecasting of parameters for issues of relevance in the real world <p>Banking, Pricing & Analytics (winter term):</p> <ul style="list-style-type: none"> • Profitability analysis in banks • Risk-based capital allocation • Rating/scoring models • IRBA and pool rating systems • Credit pricing • Funds transfer pricing models • Maturity transformation risks • Cash flow modelling • Risk management reporting • Business performance planning 				
3	<p>Learning Objectives</p> <p>Students...</p> <p>... are familiar with strategies with which to collect, prepare and evaluate corporate data.</p> <p>... distinguish between selected econometric methods based on this knowledge.</p> <p>... interpret analysis strategies in order to evaluate the influence of specific factors on corporate performance.</p> <p>... independently produce regression analyses for selected applications (e.g. for testing capital market models, estimating capital costs and valuing companies) in exercises and case studies.</p> <p>... discuss their findings in groups.</p>				
4	<p>Teaching and Learning Methods</p> <p>lecture practice</p>				
5	<p>Module Entry Requirements</p> <p>Recommended: Basic knowledge of statistics</p>				
6	<p>Mode of End-Of-Module Examination</p> <p>Combined examination: OE, PR</p>				
7	<p>Prerequisites for Awarding of Credit Points</p> <p>Passing the written test in one course.</p>				
8	<p>Other Programmes that Use the Module</p> <p>Master of Science International Management: Supplementary Section International Management</p>				

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	Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager Univ.-Prof. Dr. Dieter Hess
10	Miscellaneous The course "Banking, Pricing & Analytics" is an additional offer which can only be made in the winter term.

Specialisation Module Finance 7					
Module Code 1259SMFi07	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Rechnungslegung von Versicherungsunternehmen nach HGB und IFRS		Contact Hours 30h	Self-Studies 60h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Accounting systems • Sources of law • HGB, IAS/IFRS accounting methods • Full fair value accounting 				
3	Learning Objectives Students... ... analyse insurance companies' annual financial statements based on different accounting rules. ... value claims reserves, claims equalization reserves and actuarial reserves. ... explore the impact of different accounting rules on how balance sheet items are valued. ... implement risk-based auditing strategies for insurance companies.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik: MA Business and Economics Sciences Mathematics Master of Science Economics: Supplementary Section Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance				

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	Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Geographie: Business Administration Master Geography Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager Univ.-Prof. Dr. Heinrich R. Schradin
10	Miscellaneous

Specialisation module Finance 8					
Module Code 1259SMFi08	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Asset Management		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Investment process and design of equity funds • Trading strategies for equity funds • Risk factors 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... outline the institutional framework related to asset management. ... analyse various investment styles and their prospects of success. ... value stock, bonds and combined stock/bond portfolios. ... calculate the risks involved in stocks and bonds. ... weigh the anticipated return against the risk taken in order to ensure professional and responsible risk management. ... compare portfolio management strategies. ... answer critical questions confidently. ... work on practical exercises in small groups to discuss the knowledge and methods learned in class. ... agree on suitable methods for solving the practical exercises within the small groups and justify their decision. ... reflect their own learning success by solving case studies independently. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommended: Specialisation Module Financial Theory				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik:				

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	<p>MA Business and Economics Sciences Mathematics Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Geographie: Business Administration Master Geography Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China</p>
9	<p>Module Manager Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p>

Specialisation Module Value-Based Management in Insurance					
Module Code 1259SMVB00	Workload 180h	ECTS Credits 6	Module Language English	Module Availability irregular	Duration 1 Term
1	Courses Value-Based Management in Insurance - Theory and Practice		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction in Insurance Management • Insurance Risk and Production Technology • Risk Modelling and Risk Measurement • Risk Management and Shareholder Wealth • Risk-based Capital Allocation • Decision-making in a Value-Based Management Framework • Trends and Challenges in the Insurance Industry • Trends and Challenges in the Insurance Industry 				
3	Learning Objectives Students... ... learn methods for managing and evaluating insurance companies. ... learn methods of value-based management in insurance companies. ... model cash flows of insurance companies. ... analyze the risk situation of insurance companies. ... assess different methods for calculating the capital requirements. ... assess different methods for risk capital allocation. ... learn fundamentals of asset liability management.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written examination.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik: MA Business and Economics Sciences Mathematics Master of Science Economics: Supplementary Section				

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	<p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p>
9	<p>Module Manager Dr. Muhammed Altuntas Univ.-Prof. Dr. Heinrich R. Schradin</p>
10	<p>Miscellaneous</p>

Specialisation Module Selected Issues in Finance I (6 LP)					
Module Code 1259SliF01	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Management von Bausparkassen b) Management of Leasing Companies (1st term)		Contact Hours a) 30h b) 60h	Self-Studies a) 150h b) 120h	Course Language a) German
2	Module Content a) Management of building societies: • Main contents of the Building and Loan Associations Act (Bausparkassengesetz) • Basic theories of controlling depositors groups • Risk categories relevant for building societies • Managing interest rate margins on a depositor group level • Management of liquidity risks • Impact of the Basel Committee's capital accords on building societies b) Management of Leasing Companies: • Institutional Economic Analysis of Leases • Financing of Leasing Companies • Special Features of Accounting for Leasing Contracts • Calculation of Net Asset Value • Financial Controlling of Leasing Companies' Profit and Risk Situation				
3	Learning Objectives Students... ... analyse the theoretical fundamentals of the leasing business ... recognise the special features of leasing in term in term of business administration ... assess different refinancing possibilities for leasing companies ... calculate net asset value in order to value leasing portfolios ... discuss the special features of accounting for leasing contracts ... apply financial controlling instruments to leasing companies' return/risk control activities ... develop an understanding for the managerial tasks in a leasing company				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements No recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test in one of the courses.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development:				

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	<p>Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Mathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p>
9	<p>Module Manager Univ.-Prof. Dr. Thomas Hartmann-Wendels</p>
10	<p>Miscellaneous</p>

Specialisation Module Research in Finance (Research Track)					
Module Code 1259RiFi01	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability irregular	Duration 1 Term
1	Courses a) Empirical Research in Asset Management b) Empirical Research in Corporate Finance c) Wissenschaftliches Arbeiten in Finance: Von der Idee zur Veröffentlichung		Contact Hours a) 30h b) 60h c) 30h	Self-Studies a) 150h b) 120h c) 150h	Course Language a) English b) English c) German
2	<p>Module Content</p> <p>Empirical Research in Corporate Finance</p> <ul style="list-style-type: none"> • Current issues in capital market research, focusing on asset management • Critical assessment of pivotal studies in this area • Methodical implementation of empirical investigations • Guidance on independent research <p>Empirical Research in Asset Management</p> <ul style="list-style-type: none"> • Current issues in capital market research, focusing on asset management • Critical assessment of pivotal studies in this area • Methodical implementation of empirical investigations • Guidance on independent research <p>Scientific work in Finance: From Idea to Publication</p> <ul style="list-style-type: none"> • Development of a research proposal in the field of finance • Preparation of the proposal for a research paper • Presentation and publication of the research paper 				
3	<p>Learning Objectives</p> <p>Students...</p> <ul style="list-style-type: none"> ... develop their own research ideas. ... devise methods for conducting their own research projects. ... formulate their own research proposals and work them out into papers. ... engage in academic discourse. 				
4	<p>Teaching and Learning Methods</p> <p>lecture practice seminar</p>				
5	<p>Module Entry Requirements</p> <p>Recommended: Extensive knowledge of finance and statistics. We recommend a minimum of 42 LPs from the Core and Advanced as well as from the Specialization section with a minimum average grade of 2.0.</p>				
6	<p>Mode of End-Of-Module Examination</p> <p>Combined examination: PRES, TP</p>				
7	<p>Prerequisites for Awarding of Credit Points</p> <p>Passing the combined examination. Only one course must be attended; the examination refers to topics of only one course.</p>				
8	<p>Other Programmes that Use the Module</p> <p>Master of Science Business Administration - Supply Chain Management:</p>				

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	<p>Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Finance: Supplementary Section Finance</p> <p>Master of Science Information Systems: Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance</p>
9	<p>Module Manager</p> <p>Univ.-Prof. Dr. Dieter Hess Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p> <p>Only one course (a, b, or c) must and can be attended. The courses are offered on an irregular basis.</p>

SpM Finance Seminar					
Module Code 1259MSFIS1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Seminar Asset Management b) Seminar Corporate Finance c) Seminar Insurance d) Seminar Banking		Contact Hours a) 30h b) 30h c) 30h d) 30h	Self-Studies a) 150h b) 150h c) 150h d) 150h	Course Language a) German and English b) German and English c) German and English d) German and English
2	Module Content Current theoretical and empirical questions concerning capital markets, asset management, banking, insurance and corporate finance.				
3	Learning Objectives Students... ... collect, systematize and synthesize independently literature on selected scientific questions. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... justify and defend (independently developed) positions or problem solutions. ... discuss scientific topics in a professional manner and appropriate to the situation. ... present scientific results in a way that is appropriate for the target audience. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommendation: Specialisation Modules Finance I-III				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the module examination of one course. A course is to be attended; the examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Business Administration - Finance: Specialization Section Finance				
9	Module Manager Area Finance				
10	Miscellaneous				

3.6.3 Supplementary Section

SpM Taxation I					
Module Code 1016MSTAX1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Taxation of Companies I		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Business taxation • Taxation of different legal structures (partnerships and corporations) • Choice of legal structure • International business taxation • Double taxation and anti-tax avoidance legislation • Case studies 				
3	Learning Objectives Students... ... understand advanced, specialized methods in the area of tax law and business taxation. ... analyse current questions and challenges in the area of business taxation. ... assess and discuss findings and results of specialized methods. ... justify and defend (independently developed) positions or problem solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Business Administration - Accounting and Taxation: Specialization Section Accounting and Taxation				

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	Supplementary Section Accounting and Taxation Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager Univ.-Prof. Dr. Michael Overesch
10	Miscellaneous

SpM Taxation II					
Module Code 1016MSTAX2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Taxation of Companies II		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Corporate tax planning • Tax planning in the case of mergers and acquisitions • Tax planning in the case of international company structures • Taxation and change of corporate form • Case studies 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized methods in the area of tax law and business taxation. ... analyse current questions and challenges in the area of business taxation. ... assess and discuss findings and results of specialized methods. ... justify and defend (independently developed) positions or problem solutions. ... act responsibly considering ecological, social and ethical criteria. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: SpM Taxation I				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Economics: Supplementary Section Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Business Administration - Accounting and Taxation: Specialization Section Accounting and Taxation Supplementary Section Accounting and Taxation Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China 				

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9	Module Manager Univ.-Prof. Dr. Michael Overesch
10	Miscellaneous

SpM Controlling I					
Module Code 1016MSCON1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Operative Controlling (1. Term)		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Fundamentals of controlling • Theory, strategies and methods to support controlling activities • Controlling instruments 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of operative controlling. ... communicate continuously and purposefully in diverse teams. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... develop work processes for real problems and challenges. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Basic knowledge of internal and external accounting, investment, financing and decision theory				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Master of Science Gesundheitsökonomie: Supplementary Section Health Economics Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education 				

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	Master of Science Business Administration - Accounting and Taxation: Specialization Section Accounting and Taxation Supplementary Section Accounting and Taxation Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager Univ.-Prof. Dr. Carsten Homburg
10	Miscellaneous This course ends in the middle of the semester (1. term). The exam is offered at the end of the course.

SpM Controlling II					
Module Code 1016MSCON2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Strategic Controlling (2. Term)		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction to strategic controlling • Conventional cost management instruments • More recent cost management instruments • Benchmarking 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of strategic controlling. ... communicate continuously and purposefully in diverse teams. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Basic knowledge of internal and external accounting, investment, financing and decision theory				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Master of Science Gesundheitsökonomie: Supplementary Section Health Economics Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs:				

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	Supplementary Section Business Education Master of Science Business Administration - Accounting and Taxation: Specialization Section Accounting and Taxation Supplementary Section Accounting and Taxation Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager Univ.-Prof. Dr. Carsten Homburg
10	Miscellaneous This course starts in the middle of the semester (2. term). The exam is offered at the end of the course.

SpM Accounting I					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1016MSACC1	180h	6	German	every 2nd term - winter term	1 Term
1	Courses Sustainability Reporting		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Conceptual and Institutional Background • General Requirements • Reporting on Governance Issues • Reporting on Environmental Issues • Reporting on Social Issues • Preparing Sustainability Reports • Assuring Sustainability Reports • Analyzing Sustainability Reports 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of sustainability/ESG reporting. ... analyse current questions and challenges in the area of sustainability/ESG reporting. ... assess and discuss findings and research results of specialized theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... critically evaluate current social developments and develop alternative solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Geographie: Wahlpflichtfach Management & Social Sciences				

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	<p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Science Mathematik: Economics Sciences</p> <p>Master of Science Wirtschaftsmathematik: Economics Sciences</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p> <p>Master of Science Business Administration - Accounting and Taxation: Specialisation Section Accounting and Taxation</p>
9	Module Manager Prof. Dr. Maximilian A. Müller
10	Miscellaneous The examination is offered in every term.

SpM Accounting II					
Module Code 1016MSACC2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses International Accounting		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Theoretical as well as institutional foundations of IFRS • IASB-Framework • Recognition and measurement of different classes of assets and liabilities • Special issues of individual and consolidated IFRS reports 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area international accounting. ... analyse current questions and challenges in the area of uninternational accounting. ... gain confidence in reporting according to international financial reporting standards (IFRS) with respect to recognition as well as measurement issues. ... acquire knowledge enabling them to interpret IFRS in light of their principle-based character. ... solve new problems and cases, using the subject-related and methodological competence taught in the module. ... apply business valuation concepts within the framework of IFRS accounting. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Economics: Supplementary Section Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Business Administration - Accounting and Taxation: Specialization Section Accounting and Taxation Supplementary Section Accounting and Taxation 				

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	Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager N. N.
10	Miscellaneous The examination is offered in every term.

SpM Selected Issues in Accounting & Taxation I					
Module Code 1016MSSIS1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Tax Accounting b) Financial Service and Real Estate Taxation c) Taxation of Family Business d) Selected Issues in Controlling I e) Annual Audit f) Special Audits		Contact Hours a) 30h b) 30h c) 30h d) 30h e) 30h f) 30h	Self-Studies a) 60h b) 60h c) 60h d) 60h e) 60h f) 60h	Course Language a) English b) English c) German d) English e) German f) German
2	Module Content Selected Issues in managerial accounting, financial accounting, auditing or business taxation				
3	Learning Objectives Students... ... understand advanced, specialized theories or methods in accounting or taxation. ... analyse current questions and challenges in accounting or taxation. ... assess and discuss findings and research results of specialized theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... discuss topics in a professional manner and appropriate to the situation with specialists. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination: Two lectures must be taken. The exam covers the content of two lectures.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs:				

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	Supplementary Section Business Education Master of Science Business Administration - Accounting and Taxation: Specialization Section Accounting and Taxation Supplementary Section Accounting and Taxation
9	Module Manager Area Accounting and Taxation
10	Miscellaneous

SpM Selected Issues in Accounting & Taxation II					
Module Code 1016MSSIS2	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) International Tax Planning b) Taxation of Corporate Groups c) Consolidated Balance Sheets d) Selected Issues in Business Valuation e) Selected Issues in Controlling II		Contact Hours a) 30h b) 30h c) 30h d) 30h e) 30h	Self-Studies a) 60h b) 60h c) 60h d) 60h e) 60h	Course Language a) English b) German c) German d) German e) English
2	Module Content Selected Issues in managerial accounting, financial accounting, auditing , business valuation or business taxation				
3	Learning Objectives Students... ... understand advanced, specialized theories or methods in accounting or taxation. ... analyse current questions and challenges in accounting or taxation. ... assess and discuss findings and research results of specialized theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... discuss topics in a professional manner and appropriate to the situation with specialists. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements None				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination: Two lectures have to be chosen. The exam covers the content of two lectures.				
8	Other Programmes that Use the Module Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Specialisation Section Accounting and Taxation				
9	Module Manager Area Accounting and Taxation				
10	Miscellaneous				

SpM Advanced Accounting					
Module Code 1016MSAAC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Value-based Controlling		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Basics of value-based controlling (including traditional financial indicators) • Characteristics of capital markets • Effect of capital structure on business value • Shareholder value approach • Discounted cash flow (DCF) method • Value-based indicators and their steering • Working capital management, especially cash management • Risk measurement and risk management • Implementation of a value-based strategy • The Ohlson model 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect, systematize and synthesize independently literature on selected scientific questions. ... justify and defend (independently developed) positions or problem solutions. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... act responsibly considering ecological, social and ethical criteria. ... critically evaluate current social developments and develop alternative solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Basic knowledge of internal and external accounting, investment and financing				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Master of Science Gesundheitsökonomie:				

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	<p>Supplementary Section Health Economics</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Supplementary Section Finance</p> <p>Master of Science Information Systems: Supplementary Section Information Systems</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p> <p>Master of Science Business Administration - Marketing: Specialization Section Marketing</p> <p>Master of Science Business Administration - Accounting and Taxation: Specialization Section Accounting and Taxation Supplementary Section Accounting and Taxation</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China</p>
9	<p>Module Manager Univ.-Prof. Dr. Carsten Homburg</p>
10	<p>Miscellaneous</p>

Specialisation Module Research in Finance (Research Track)					
Module Code 1259RiFi01	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability irregular	Duration 1 Term
1	Courses a) Empirical Research in Asset Management b) Empirical Research in Corporate Finance c) Wissenschaftliches Arbeiten in Finance: Von der Idee zur Veröffentlichung		Contact Hours a) 30h b) 60h c) 30h	Self-Studies a) 150h b) 120h c) 150h	Course Language a) English b) English c) German
2	<p>Module Content</p> <p>Empirical Research in Corporate Finance</p> <ul style="list-style-type: none"> • Current issues in capital market research, focusing on asset management • Critical assessment of pivotal studies in this area • Methodical implementation of empirical investigations • Guidance on independent research <p>Empirical Research in Asset Management</p> <ul style="list-style-type: none"> • Current issues in capital market research, focusing on asset management • Critical assessment of pivotal studies in this area • Methodical implementation of empirical investigations • Guidance on independent research <p>Scientific work in Finance: From Idea to Publication</p> <ul style="list-style-type: none"> • Development of a research proposal in the field of finance • Preparation of the proposal for a research paper • Presentation and publication of the research paper 				
3	<p>Learning Objectives</p> <p>Students...</p> <ul style="list-style-type: none"> ... develop their own research ideas. ... devise methods for conducting their own research projects. ... formulate their own research proposals and work them out into papers. ... engage in academic discourse. 				
4	<p>Teaching and Learning Methods</p> <p>lecture practice seminar</p>				
5	<p>Module Entry Requirements</p> <p>Recommended: Extensive knowledge of finance and statistics. We recommend a minimum of 42 LPs from the Core and Advanced as well as from the Specialization section with a minimum average grade of 2.0.</p>				
6	<p>Mode of End-Of-Module Examination</p> <p>Combined examination: PRES, TP</p>				
7	<p>Prerequisites for Awarding of Credit Points</p> <p>Passing the combined examination. Only one course must be attended; the examination refers to topics of only one course.</p>				
8	<p>Other Programmes that Use the Module</p> <p>Master of Science Business Administration - Supply Chain Management:</p>				

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	<p>Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Finance: Supplementary Section Finance</p> <p>Master of Science Information Systems: Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance</p>
9	<p>Module Manager</p> <p>Univ.-Prof. Dr. Dieter Hess Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p> <p>Only one course (a, b, or c) must and can be attended. The courses are offered on an irregular basis.</p>

Specialisation module Selected Issues in Corporate Development II					
Module Code 1253SMSC02	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability irregular	Duration 1 Term
1	Courses a) Elective Corporate Development II b) Sustainability & Strategy		Contact Hours a) 30h b) 30h	Self-Studies a) 150h b) 150h	Course Language a) German and English b) English
2	Module Content Varying topics in the field of corporate development				
3	Learning Objectives Students... ... discuss current issues in the field of corporate development. ... perform analyses and make informed decisions about corporate development issues. ... apply theoretical and methodical knowledge to real-life corporate development issues. ... engage in academic discourse. ... hone their social skills by participating in group-based problem-solving processes				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements No recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written examination. Only one course must an can be attended; the examination refers to topics of only one course.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Specialization Section Corporate Development				
9	Module Manager Univ.-Prof. Dr. Mark Ebers Univ.-Prof. Dr. Bernd Irlenbusch Univ.-Prof. Dr. Dirk Sliwka				

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

10	Miscellaneous Discuss, develop and implement corporate development methods in teams and with the lecturer.
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CM Advanced Mathematics					
Module Code 1302MBAMT1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Advanced Mathematics for Economists		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Overview of elementary mathematical concepts • Metric and standardized spaces • Linear algebra • Differential calculus and applications • Convex sets and concave functions • Optimisation 				
3	Learning Objectives Students... ... apply mathematical argumentation and proof techniques correctly. ... formulate economic problems occurring in research mathematically and solve them.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Economics: Supplementary Section Master of Science Economic Research: Core and Advanced Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Martin Barbie				

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

10	Miscellaneous
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CM Selected Methods in Economics					
Module Code 1289MBEXE1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Experimental Methods		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Experimental Methods in economics • Experimental designs • Analysing experimental data 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of experimental Economics. ... analyse current questions and challenges in the area of Microeconomics. ... assess and discuss findings and research results of specialized methods. ... analyse data for selected scientific questions using quantitative methods. ... present scientific results in a way that is appropriate for the target audience. ... critically evaluate current social developments and develop alternative solutions. ... use techniques of scientific work and good scientific practice. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Bachelor Level Microeconomics, Macroeconomics, Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Business Administration - Supply Chain Management: <ul style="list-style-type: none"> Core and Advanced Section Supply Chain Management Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: <ul style="list-style-type: none"> Supplementary Section Finance Master of Science Information Systems: <ul style="list-style-type: none"> Supplementary Section Information Systems Master of Science Business Administration - Marketing: <ul style="list-style-type: none"> Supplementary Section Marketing Master of Science Business Administration - Corporate Development: <ul style="list-style-type: none"> Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: <ul style="list-style-type: none"> Supplementary Section Accounting and Taxation Master of Arts Politikwissenschaft: <ul style="list-style-type: none"> Supplementary Section Political Science Master of Science Sociology and Social Research: <ul style="list-style-type: none"> Supplementary Section Sociology and Social Research 				

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	Master of Science Business Administration - Finance: Core and Advanced Section Finance Master of Science Business Administration - Marketing: Core and Advanced Section Marketing Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation
9	Module Manager Univ.-Prof. Michael Krause, Ph.D.
10	Miscellaneous

AM Computational Methods					
Module Code 1302MACMT1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Computational Methods		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Programming numerical algorithms • Numerical approximation • Numerical solution of zeroing and optimization problems • Application to canonical economic problems • Parametrization, solution and simulation of structural economic models 				
3	Learning Objectives Students... ... apply numerical methods and programs for the solution and simulation of quantitative structural economic models. ... interpret results of the application of numerical models. ... use the technical language in a way that is appropriate for the target group.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe Master of Science Economic Research: Core and Advanced Section Economic Research				

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	Specialization Section Economic Research Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America
9	Module Manager Univ.-Prof. Dr. Andreas Schabert
10	Miscellaneous

CM Advanced Microeconomics I					
Module Code 1289MBAMI1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Advanced Microeconomics I		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Theory of household and demand • Theory of the enterprise and the supply • Market equilibrium 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand modern microeconomic concepts. ... are proficient in the most important techniques of microeconomic analysis, such as the analysis of individual decision-making behaviour. ... use mathematical models to investigate price formation in markets. ... modify these models to recognize their limitations and to analyse the effects of political interventions. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Good basic knowledge of microeconomics and mathematics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Business Administration - Supply Chain Management: <ul style="list-style-type: none"> Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: <ul style="list-style-type: none"> Supplementary Section Finance Master of Science Information Systems: <ul style="list-style-type: none"> Supplementary Section Information Systems Master of Science Business Administration - Marketing: <ul style="list-style-type: none"> Supplementary Section Marketing Master of Science Business Administration - Corporate Development: <ul style="list-style-type: none"> Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: <ul style="list-style-type: none"> Supplementary Section Accounting and Taxation Master of Science Economics: <ul style="list-style-type: none"> Supplementary Section Master of Science Economic Research: <ul style="list-style-type: none"> Core and Advanced Section Economic Research Specialization Section Economic Research 				

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

9	Module Manager Univ.-Prof. Dr. Johannes Münster
10	Miscellaneous

CM Advanced Microeconomics II					
Module Code 1289MBAMI2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Advanced Microeconomics II		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Static games with complete information: Nash Equilibrium, Mixed Strategies • Dynamic games with complete information: subgame perfect Nash Equilibrium, one-shot deviation principle, bargaining, forward induction • Static games with incomplete information: Bayesian Nash Equilibrium, auctions • Dynamic games with incomplete information: Perfect Bayesian Nash Equilibrium and refinements, signalling games • Mechanism design and social preferences aggregation • Current developments in game theory and mechanism design 				
3	Learning Objectives Students... ... acquire and deepen methodological knowledge in the field of modern game theory and mechanism design. ... discuss the latest developments in game theory.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Economics: Supplementary Section Master of Science Economic Research:				

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	Core and Advanced Section Economic Research Specialization Section Economic Research
9	Module Manager Univ.-Prof. Dr. Christoph Schottmüller
10	Miscellaneous

CM Advanced Macroeconomics I					
Module Code 1302MBAMA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Advanced Macroeconomics I		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Stylized facts: growth and business cycles • Dynamic optimization in continuous time and in discrete time under uncertainty • Stability and uniqueness of dynamic systems • The canonical neoclassical growth model • Exogenous and endogenous growth • Real business cycles (TFP and fiscal policy shocks) • Numerical solutions, simulation and evaluation of structural models • Calibration and introduction in structural estimation of model parameter 				
3	Learning Objectives Students... ... analyse and solve the canonical models of real business cycle and growth theory at an advanced methodological level. ... apply the mathematical and numerical methods necessary to do so. ... tailor and apply these models to answer positive and normative research questions in the areas of growth and business cycle fluctuations. ... discuss the strengths and weaknesses of these models in terms of their assumptions and implications. ... parameterize models using filtered data und assess the goodness of fit. ... develop analytical skills required for research activities and further studies (doctorate). ... gain an understanding of the most important strands of the literature that prepares them for their own research at an advanced level.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing				

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	<p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Economics: Supplementary Section</p> <p>Master of Science Economic Research: Core and Advanced Section Economic Research Specialization Section Economic Research</p>
9	<p>Module Manager Univ.-Prof. Dr. Peter Funk</p>
10	<p>Miscellaneous Useful references are: - Acemoglu, Daron (2008). Introduction to modern economic growth. Princeton University Press. - McCandless, George T. (2008). The ABC of RBCs. Harvard University Press. - King, Robert G. and Sergio T. Rebelo (1999). "Resuscitating real business cycles". Handbook of macroeconomics. Ed. by John B. Taylor and Michael Woodford. Vol. 1. Elsevier, 927–1007. - Chow, Gregory C. (1997). Dynamic economics: optimization by the Lagrange method. Oxford: Oxford University Press. - Ljungqvist, Lars and Thomas J. Sargent (2012). Recursive macroeconomic theory. 3rd ed. Cambridge, MA: MIT Press. - Stokey, Nancy, Robert E. Lucas, and Edward C. Prescott (1989). Recursive methods in economic dynamics. Harvard University Press.</p>

CM Advanced Macroeconomics II					
Module Code 1302MBAMA2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Advanced Macroeconomics II		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Complete markets and representative agents • Incomplete markets and heterogeneous agents • Fiscal policy, public debt, and optimal taxation • Transaction frictions and monetary policy • Open economy macroeconomics • New Keynesian macroeconomics • Labour market frictions and Labour market fluctuations 				
3	Learning Objectives Students... ... master core macroeconomic concepts for solving positive and normative problems and acquire skill for innovative research. ... deepen their knowledge of short- and medium-run macroeconomic developments and of efficient conduct of policy measures. ... evaluate and discuss the impact of empirically relevant frictions in goods, financial and labour markets. ... recognize possibilities to enhance social welfare in a general equilibrium framework with incomplete markets. ... Identify the optimal implementation of macroeconomic instruments under relevant policy trade-offs. ... question and assess societal developments, in particular, inequality and unemployment, and reflect current policy measures with regard to potential research projects.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing				

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	<p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Economics: Supplementary Section</p> <p>Master of Science Economic Research: Core and Advanced Section Economic Research Specialization Section Economic Research</p>
9	<p>Module Manager Univ.-Prof. Michael Krause, Ph.D. Univ.-Prof. Dr. Andreas Schabert</p>
10	<p>Miscellaneous Useful references are Ljungqvist, Lars and Thomas J. Sargent (2012). Recursive mac-roeconomic theory. 3rd ed. Cambridge, MA: MIT Press; Gali, J. (2015) Monetary Policy, Inflation, and the Business Cycle An Introduction to the New Keynesian Framework and Its Applications, 2nd ed., Princeton University Press. Schmitt-Grohe, S., and Uribe M. (2017). Open Economy Macroeconomics, Princeton University Press</p>

CM Advanced Econometrics I					
Module Code 1314MBAEM1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Advanced Econometrics: Theory		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • The classic linear model • Tests in the classical linear model • Specification of econometric models • Generalised linear model • Panel data regression • Time series econometric methods • Instrument Variables / GMM • Asymptotic Inference 				
3	Learning Objectives Students... ... have basic knowledge of econometric methods, which enable them to understand scientific contributions in the field of empirical economic research and to assess the properties of quantitative methods. ... model economic relationships econometrically and choose between alternative model specifications. ... estimate parameters with suitable methods and carry out hypothesis tests.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Economics:				

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	Supplementary Section Master of Science Economic Research: Core and Advanced Section Economic Research Specialization Section Economic Research
9	Module Manager Univ.-Prof. Dr. Jörg Breitung
10	Miscellaneous This module presents econometric tools for the analysis of cross-sectional data, time series and panel data at doctoral level.

CM Advanced Econometrics II					
Module Code 1314MBAEM2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Advanced Econometrics: Applications		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Evaluation of causal effects • Fixed effects and difference-in-difference estimator • Regression discontinuity designs • Robust standard errors and clustering • Structural estimates with experimental data 				
3	Learning Objectives Students... ... implement estimation methods and test procedures. ... discuss situation estimation and testing procedures. ... apply appropriate econometric models and the corresponding inference methods. ... carry out empirical studies in modern macro- and microeconometrics. ... report on their approach and their results.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Economics: Supplementary Section Master of Science Economic Research: Core and Advanced Section Economic Research Specialization Section Economic Research				

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

9	Module Manager Univ.-Prof. Dr. Jörg Breitung
10	Miscellaneous This module presents econometric tools for the analysis of cross-sectional data, time series and panel data at doctoral level.

CM Microeconomics (Business Administration)					
Module Code 1289MBMBA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Microeconomics: Game Theory		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Non-cooperative Game Theory • Normal form games • Extensive form games, with complete and incomplete information • Finitely and infinitely repeated games • Cooperative Game Theory • Core, Shapley-value, bargaining problem • Evolutionary game theory • Social choice theory, voting • Condorcet-paradox, Arrow-theorem 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of Game Theory. ... assess and discuss findings and research results of specialized methods. ... analyse data for selected scientific questions using quantitative methods. ... communicate continuously and purposefully in diverse teams. ... critically evaluate current social developments and develop alternative solutions. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Bachelor Level Microeconomics, Macroeconomics, Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Arts Regionalstudien China - Volkswirtschaftslehre:				

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	<p>Economics Master Regional Studies China</p> <p>Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Core and Advanced Section Finance</p> <p>Master of Science Business Administration - Marketing: Core and Advanced Section Marketing</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe</p> <p>Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation</p> <p>Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Bettina Rockenbach</p>
10	<p>Miscellaneous</p>

SpM Market Design and Behaviour II					
Module Code 1289MSMDB2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability irregular	Duration 1 Term
1	Courses Economic Engineering		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Evaluation of the roles of theory and laboratory/field experiments in the development of markets and incentive systems • Analysis of relevant behavioural phenomena and institutional details of particular importance for specific designs • Discussion of practical applications of economic engineering in matching markets, auctions and other markets 				
3	Learning Objectives Students... ... analyse current questions and challenges in the area of market design. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... discuss problems in markets with respect to different affected groups in a professional manner. ... critically evaluate current developments in different markets and develop alternative solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendation				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Specialization Section Economics Supplementary Section Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research				
9	Module Manager Univ.-Prof. Dr. Axel Ockenfels				

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

10	Miscellaneous
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SpM Market Design and Behaviour IV					
Module Code 1289MSMDB4	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Auction Theory (WS) b) Contract Theory		Contact Hours a) 60h b) 45h	Self-Studies a) 120h b) 135h	Course Language a) English b) German
2	Module Content Contract Theory: <ul style="list-style-type: none"> • Principal-agent models • Moral hazard, adverse selection • Hold-up problem • Incomplete contracts /// Auction Theory (winter semester, until 2022/23): <ul style="list-style-type: none"> • Auctions with "private values": second-price auctions, first-price auctions, reservation prices, revenue equivalence theorem, extensions • Mechanism design: revelation principle, optimal mechanisms, efficient mechanisms • Auctions with "interdependent values": comparisons of auction proceeds, linkage principle 				
3	Learning Objectives Students... ... understand advanced, specialized methods of formal institutional economics. ... analyse questions and challenges in situations with asymmetric information. ... assess findings and research results in the theory of economic incentives. ... solve contract-theoretic problems independently.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendation				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination in one of the courses offered.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics:				

BUSINESS ADMINISTRATION: Finance - MASTER OF SCIENCE

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

	Specialization Section Economics Supplementary Section Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research
9	Module Manager Univ.-Prof. Dr. Patrick W. Schmitz
10	Miscellaneous

Specialisation Module Behavioral Economics					
Module Code 1289SMBE00	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Behavioral Economics		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content Using the concept of the homo economicus, the module presents behavioural theory concepts that are based on findings from empirical and experimental research. The lectures provide an introduction to bounded rationality theories, focusing on those theories' criticism of the homo economicus concept.				
3	Learning Objectives Students... ... understand behavioural models and formal arguments. ... apply advanced microeconomic concepts. ... challenge arguments critically.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommended: Core modules in Microeconomics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Specialization Section Economics Supplementary Section Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Science International Management: Supplementary Section International Management Master of Science Economic Research: Supplementary Section Economic Research				

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9	Module Manager Fachbereich Mikroökonomik Jun.-Prof. Dr. Frederik Schwerter
10	Miscellaneous

CM Selected Methods in Economics					
Module Code 1289MBEXE1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Experimental Methods		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Experimental Methods in economics • Experimental designs • Analysing experimental data 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of experimental Economics. ... analyse current questions and challenges in the area of Microeconomics. ... assess and discuss findings and research results of specialized methods. ... analyse data for selected scientific questions using quantitative methods. ... present scientific results in a way that is appropriate for the target audience. ... critically evaluate current social developments and develop alternative solutions. ... use techniques of scientific work and good scientific practice. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Bachelor Level Microeconomics, Macroeconomics, Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Business Administration - Supply Chain Management: <ul style="list-style-type: none"> Core and Advanced Section Supply Chain Management Supplementary Section Supply Chain Management Master of Science Business Administration - Finance: <ul style="list-style-type: none"> Supplementary Section Finance Master of Science Information Systems: <ul style="list-style-type: none"> Supplementary Section Information Systems Master of Science Business Administration - Marketing: <ul style="list-style-type: none"> Supplementary Section Marketing Master of Science Business Administration - Corporate Development: <ul style="list-style-type: none"> Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: <ul style="list-style-type: none"> Supplementary Section Accounting and Taxation Master of Arts Politikwissenschaft: <ul style="list-style-type: none"> Supplementary Section Political Science Master of Science Sociology and Social Research: <ul style="list-style-type: none"> Supplementary Section Sociology and Social Research 				

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	Master of Science Business Administration - Finance: Core and Advanced Section Finance Master of Science Business Administration - Marketing: Core and Advanced Section Marketing Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation
9	Module Manager Univ.-Prof. Michael Krause, Ph.D.
10	Miscellaneous

SpM Market Design and Mechanism Design					
Module Code 1289MSMMD1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Matching and Market Design: Theory and Practice		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content Matching Markets, Mechanism Design with and without monetary transfers				
3	Learning Objectives Students... ... understand leading theoretical models of mechanism market design with and without monetary transfers. ... analyse existing mechanism market designs based on a portfolio of theories, experiments and empirical analyses. ... improve existing mechanism market designs.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Knowledge of game theory				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Specialization Section Economics Supplementary Section Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Science Economic Research: Specialization Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Alexander Westkamp				

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10	Miscellaneous
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Specialisation Module Finance 2					
Module Code 1259SMFi09	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Fixed Income Management		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Market for Fixed Income securities • Trading strategies • Types of bonds and risk factors • Yield curves • Bond valuation and management • Interest rate derivatives 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... outline how the Fixed Income market operates. ... analyse various investment styles and their prospects of success. ... value bonds and bond portfolios. ... calculate the risks involved in bonds. ... weigh the anticipated return against the risk taken in order to ensure professional and responsible risk management. ... compare portfolio management strategies. ... answer critical questions confidently. ... work on practical exercises in small groups to discuss the knowledge and methods learned in class. ... agree on suitable methods for solving the practical exercises within the small groups and justify their decision. ... students reflect their own learning success by solving case studies independently. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommended: Specialisation Module Financial Theory				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development				

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	<p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Mathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p> <p>Master of Science Geographie: Business Administration Master Geography</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China</p>
9	<p>Module Manager Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p>

Specialisation Module Finance 5					
Module Code 1259SMFi10	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Insurance		Contact Hours 60h	Self-Studies 120h	Course Language German
2	Module Content Part A: Reinsurance and ART <ul style="list-style-type: none"> • Reinsurance and Alternative Risk Transfer • Forms of traditional Reinsurance • Financial Reinsurance • Alternative Risk Transfer Part B: Management of groups and mutual principle <ul style="list-style-type: none"> • Management of groups and mutual principle • Construction of insurance groups • Risk Management and insurance groups 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of finance. ... analyse current questions and challenges in the area of finance. ... assess and discuss findings and research results of specialized theories / methods. ... discuss scientific topics in a professional manner and appropriate to the situation. ... critically evaluate current developments in finance. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test. Both courses must be attended; the examination refers to topics of both courses.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik: MA Business and Economics Sciences Mathematics				

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	<p>Master of Science Economics: Supplementary Section</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p>
9	<p>Module Manager Univ.-Prof. Dr. Heinrich R. Schradin</p>
10	<p>Miscellaneous</p>

Specialisation Module Finance 6					
Module Code 1259SMFi06	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Empirical Finance b) Banking, Pricing & Analytics (winter term)		Contact Hours a) 60h b) 60h	Self-Studies a) 120h b) 120h	Course Language a) English b) German
2	<p>Module Content</p> <p>Empirical Analytics:</p> <ul style="list-style-type: none"> • Selected basic and advanced econometric methods, particularly OLS, FGLS, panel and time series • Test methods for assessing the quality of estimated and forecast results • Use of regression models as part of analysis of theoretical models and estimation/forecasting of parameters for issues of relevance in the real world <p>Banking, Pricing & Analytics (winter term):</p> <ul style="list-style-type: none"> • Profitability analysis in banks • Risk-based capital allocation • Rating/scoring models • IRBA and pool rating systems • Credit pricing • Funds transfer pricing models • Maturity transformation risks • Cash flow modelling • Risk management reporting • Business performance planning 				
3	<p>Learning Objectives</p> <p>Students...</p> <p>... are familiar with strategies with which to collect, prepare and evaluate corporate data.</p> <p>... distinguish between selected econometric methods based on this knowledge.</p> <p>... interpret analysis strategies in order to evaluate the influence of specific factors on corporate performance.</p> <p>... independently produce regression analyses for selected applications (e.g. for testing capital market models, estimating capital costs and valuing companies) in exercises and case studies.</p> <p>... discuss their findings in groups.</p>				
4	<p>Teaching and Learning Methods</p> <p>lecture practice</p>				
5	<p>Module Entry Requirements</p> <p>Recommended: Basic knowledge of statistics</p>				
6	<p>Mode of End-Of-Module Examination</p> <p>Combined examination: OE, PR</p>				
7	<p>Prerequisites for Awarding of Credit Points</p> <p>Passing the written test in one course.</p>				
8	<p>Other Programmes that Use the Module</p> <p>Master of Science International Management: Supplementary Section International Management</p>				

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	Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager Univ.-Prof. Dr. Dieter Hess
10	Miscellaneous The course "Banking, Pricing & Analytics" is an additional offer which can only be made in the winter term.

Specialisation Module Finance 7					
Module Code 1259SMFi07	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Rechnungslegung von Versicherungsunternehmen nach HGB und IFRS		Contact Hours 30h	Self-Studies 60h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Accounting systems • Sources of law • HGB, IAS/IFRS accounting methods • Full fair value accounting 				
3	Learning Objectives Students... ... analyse insurance companies' annual financial statements based on different accounting rules. ... value claims reserves, claims equalization reserves and actuarial reserves. ... explore the impact of different accounting rules on how balance sheet items are valued. ... implement risk-based auditing strategies for insurance companies.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements no recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik: MA Business and Economics Sciences Mathematics Master of Science Economics: Supplementary Section Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance				

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valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

	Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Geographie: Business Administration Master Geography Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China
9	Module Manager Univ.-Prof. Dr. Heinrich R. Schradin
10	Miscellaneous

Specialisation module Finance 8					
Module Code 1259SMFi08	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Asset Management		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Investment process and design of equity funds • Trading strategies for equity funds • Risk factors 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... outline the institutional framework related to asset management. ... analyse various investment styles and their prospects of success. ... value stock, bonds and combined stock/bond portfolios. ... calculate the risks involved in stocks and bonds. ... weigh the anticipated return against the risk taken in order to ensure professional and responsible risk management. ... compare portfolio management strategies. ... answer critical questions confidently. ... work on practical exercises in small groups to discuss the knowledge and methods learned in class. ... agree on suitable methods for solving the practical exercises within the small groups and justify their decision. ... reflect their own learning success by solving case studies independently. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommended: Specialisation Module Financial Theory				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik:				

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	<p>MA Business and Economics Sciences Mathematics Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Geographie: Business Administration Master Geography Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Master Regional Studies China</p>
9	<p>Module Manager Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p>

Specialisation Module Value-Based Management in Insurance						
Module Code 1259SMVB00		Workload 180h	ECTS Credits 6	Module Language English	Module Availability irregular	Duration 1 Term
1	Courses Value-Based Management in Insurance - Theory and Practice			Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction in Insurance Management • Insurance Risk and Production Technology • Risk Modelling and Risk Measurement • Risk Management and Shareholder Wealth • Risk-based Capital Allocation • Decision-making in a Value-Based Management Framework • Trends and Challenges in the Insurance Industry • Trends and Challenges in the Insurance Industry 					
3	Learning Objectives Students... ... learn methods for managing and evaluating insurance companies. ... learn methods of value-based management in insurance companies. ... model cash flows of insurance companies. ... analyze the risk situation of insurance companies. ... assess different methods for calculating the capital requirements. ... assess different methods for risk capital allocation. ... learn fundamentals of asset liability management.					
4	Teaching and Learning Methods lecture practice					
5	Module Entry Requirements none					
6	Mode of End-Of-Module Examination Written test: WT (60)					
7	Prerequisites for Awarding of Credit Points Passing the written examination.					
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Mathematik: MA Business and Economics Sciences Mathematics Master of Science Economics: Supplementary Section					

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	<p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education</p>
9	<p>Module Manager Dr. Muhammed Altuntas Univ.-Prof. Dr. Heinrich R. Schradin</p>
10	<p>Miscellaneous</p>

Specialisation Module Selected Issues in Finance I (6 LP)					
Module Code 1259SIIIF01	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Management von Bausparkassen b) Management of Leasing Companies (1st term)		Contact Hours a) 30h b) 60h	Self-Studies a) 150h b) 120h	Course Language a) German
2	Module Content a) Management of building societies: • Main contents of the Building and Loan Associations Act (Bausparkassengesetz) • Basic theories of controlling depositors groups • Risk categories relevant for building societies • Managing interest rate margins on a depositor group level • Management of liquidity risks • Impact of the Basel Committee's capital accords on building societies b) Management of Leasing Companies: • Institutional Economic Analysis of Leases • Financing of Leasing Companies • Special Features of Accounting for Leasing Contracts • Calculation of Net Asset Value • Financial Controlling of Leasing Companies' Profit and Risk Situation				
3	Learning Objectives Students... ... analyse the theoretical fundamentals of the leasing business ... recognise the special features of leasing in term in term of business administration ... assess different refinancing possibilities for leasing companies ... calculate net asset value in order to value leasing portfolios ... discuss the special features of accounting for leasing contracts ... apply financial controlling instruments to leasing companies' return/risk control activities ... develop an understanding for the managerial tasks in a leasing company				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements No recommendations				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test in one of the courses.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development:				

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	<p>Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Mathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Wirtschaftsmathematik: MA Business and Economics Sciences Mathematics</p> <p>Master of Science Business Administration - Finance: Specialization Section Finance Supplementary Section Finance</p>
9	<p>Module Manager Univ.-Prof. Dr. Thomas Hartmann-Wendels</p>
10	<p>Miscellaneous</p>

CM Macroeconomics					
Module Code 1302MBMAC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Macroeconomics		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content The course focuses on macroeconomic theory and issues. In its first part, it covers key determinants of economic growth and cross-country income differences, using modern growth theory. In the second part, short-term fluctuations in economic activity and stabilisation policy are covered, using real business cycle and new Keynesian models. Both parts ask when market outcomes are sustainable, whether they coincide with outcomes that are optimal from society's perspective, and whether economic policy can help achieve socially desirable outcomes. The course also introduces methods of dynamic optimisation and simulation of macroeconomic models.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... present scientific results in a way that is appropriate for the target audience. ... act responsibly considering ecological, social and ethical criteria. ... critically evaluate current social developments and develop alternative solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Microeconomics, Macroeconomics and Bachelor Level Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Core and Advanced Section Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science International Management: Supplementary Section International Management Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe Master of Science Business Administration - Corporate Development:				

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	Supplementary Section Corporate Development Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America
9	Module Manager Univ.-Prof. Michael Krause, Ph.D.
10	Miscellaneous

SpM Markets and Economic Policy I					
Module Code 1302MSMEP1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Growth, Inequality and Structural Change		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Neoclassical Growth • The Rate and the Direction of Technical Change • Automation, Work and Leisure • Men, Robots, and Artificial Intelligence • Sectorial Change (Deindustrialisation, Services, Real Estate, Rise of the State) • Technical Change and Inequality • The Affluent Society and its Economic Problems 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... assess and discuss findings and research results of specialized theories / methods.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Macroeconomics or CM Advanced Macroeconomics I				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe Master of Science Economic Research: Supplementary Section Economic Research Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development				

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valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

	Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America
9	Module Manager Univ.-Prof. Dr. Peter Funk
10	Miscellaneous

SpM Markets and Economic Policy IV					
Module Code 1302MSMEP4	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Macroeconomics of the Labour Market		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Labour Market Dynamics: job creation and destruction • Theory of Search Unemployment • The Search and Matching Model of the Labour Market • Structural Labour Market Policy: Employment Protection and Unemployment Insurance • Labour Markets and the Business Cycle • Specific Topics in Macroeconomics of the Labour Market 				
3	Learning Objectives Students... ... assess and discuss findings and research results of specialized theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... critically evaluate current social developments and develop alternative solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Macroeconomics or CM Advanced Macroeconomics; CM Microeconomics or CM Microeconomics (Business Administration) or CM Advanced Microeconomics; CM Mathematics or CM Advanced Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe Master of Science Economic Research:				

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valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

	Supplementary Section Economic Research Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America
9	Module Manager Univ.-Prof. Michael Krause, Ph.D.
10	Miscellaneous

SpM Markets and Economic Policy III					
Module Code 1302MSMEP3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Development Economics		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction to development economics based on theoretical and empirical research • Causes and consequences of poverty, underinvestment in health, education, and wealth • Risk and insurance • Methods to evaluate development projects and policies 				
3	Learning Objectives Students... ... assess and discuss findings and research results of specialized theories / methods. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... justify and defend (independently developed) positions or problem solutions. ... evaluate their own action processes in self- and external reflection and identify development potentials.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Econometrics or CM Applied Econometrics (Business Administration)				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Economic Research: Supplementary Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Erik Hornung				
10	Miscellaneous				

SpM Markets and Economic Policy V					
Module Code 1302MSMEP5	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Determinants of Growth in Economic History		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction to the determinants of long-term development and growth in economic history, especially geography, institutions and cultural factors • Methods for assessing causal relationships between the determinants and current economic development 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... assess and discuss findings and research results of specialized theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... evaluate their own action processes in self- and external reflection and identify development potentials. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Econometrics or CM Applied Econometrics (Business Administration)				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Economic Research: Supplementary Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Erik Hornung				
10	Miscellaneous				

SpM Market Design and Behaviour III					
Module Code 1289MSMDB3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Economics of Innovation		Contact Hours 45h	Self-Studies 135h	Course Language English
2	<p>Module Content</p> <p>Core and current research in the field Economics of Innovation:</p> <ul style="list-style-type: none"> • Ideas and knowledge production, adoption and diffusion of technologies • Competition in product markets, market entry, innovation, and economic growth • Innovation, productivity, and reallocation • Intellectual property rights, science and basic research • Mobility of innovators and high-skilled individuals • Decision-making of inventors and entrepreneurs • Artificial intelligence, automation, and digital transformation <p>Empirical modelling and econometric methods:</p> <ul style="list-style-type: none"> • Potential outcomes, treatments, assignment mechanisms, and identification of causal effects • Difference-in-differences methods, methods using instrumental variables • Propensity-score and matching methods, non- and semi-parametric models, machine learning 				
3	<p>Learning Objectives</p> <p>Students...</p> <p>... understand advanced methods in the field Economics of Innovation.</p> <p>... extend and use their knowledge of econometrics, economic theory, and data sources.</p> <p>... assess and evaluate quantitative findings and research results.</p> <p>... present and discuss scientific contributions, including their own contributions.</p> <p>... are introduced to new research questions.</p> <p>... use techniques of scientific work and good scientific practice.</p>				
4	<p>Teaching and Learning Methods</p> <p>lecture</p> <p>practice</p>				
5	<p>Module Entry Requirements</p> <p>Recommendation: CMs Econometrics, Microeconomics, and Macroeconomics and AM Empirical Methods in the M.Sc. Economics or the CMs Advanced Econometrics I and II, Advanced Microeconomics I, and Advanced Macroeconomics I in the M.Sc. Economic Research</p>				
6	<p>Mode of End-Of-Module Examination</p> <p>Written test: PO</p>				
7	<p>Prerequisites for Awarding of Credit Points</p> <p>Passing the module examination</p>				
8	<p>Other Programmes that Use the Module</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Finance: Supplementary Section Finance</p>				

BUSINESS ADMINISTRATION: Finance - MASTER OF SCIENCE

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

	Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Specialization Section Economics Supplementary Section
9	Module Manager Univ.-Prof. Dr.' Susanne Prantl
10	Miscellaneous See the relevant online systems and www.ieam.uni-koeln.de for further information.

CM Microeconomics (Business Administration)					
Module Code 1289MBMBA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Microeconomics: Game Theory		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Non-cooperative Game Theory • Normal form games • Extensive form games, with complete and incomplete information • Finitely and infinitely repeated games • Cooperative Game Theory • Core, Shapley-value, bargaining problem • Evolutionary game theory • Social choice theory, voting • Condorcet-paradox, Arrow-theorem 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of Game Theory. ... assess and discuss findings and research results of specialized methods. ... analyse data for selected scientific questions using quantitative methods. ... communicate continuously and purposefully in diverse teams. ... critically evaluate current social developments and develop alternative solutions. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Bachelor Level Microeconomics, Macroeconomics, Mathematics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Arts Regionalstudien China - Volkswirtschaftslehre:				

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valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

	<p>Economics Master Regional Studies China</p> <p>Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Core and Advanced Section Finance</p> <p>Master of Science Business Administration - Marketing: Core and Advanced Section Marketing</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe</p> <p>Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation</p> <p>Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Bettina Rockenbach</p>
10	<p>Miscellaneous</p>

Specialisation module Competition Policy					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1289SMCP00	180h	6	English	irregular	1 Term
1	Courses Competition Policy		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Institutional background: competition policy in Germany, the EU and the US • Market power: theory and measurement • Unilateral abuse of market power: horizontal and vertical restraints on competition • Multilateral abuse of market power: cartels and implicit agreements 				
3	Learning Objectives Students... ... recognise, based on models of competition theory, how competitive markets work. ... discuss the causes of market power and its effects in terms of welfare economics. ... assess, evaluate and debate cases that illustrate competition policy in practice and use competition theory to analyse them.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements No recommendations				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Information Systems: Supplementary Section Information Systems Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Mathematik: Economics Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Science Wirtschaftsmathematik: Economics Master of Science International Management: Core and Advanced Section International Management				

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valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

	<p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Geographie: Economics Master Geography</p> <p>Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Christoph Schottmüller</p>
10	<p>Miscellaneous</p>

SpM Media Economics					
Module Code 1289MSMEC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Media Economics		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Characteristics of media markets • Cost and revenue structures on media markets • Digital transformation of media markets • Political economy of media markets 				
3	Learning Objectives Students... ... analyse current questions and challenges. ... assess and discuss findings and research results of specialised theories / methods. ... critically evaluate current social developments and develop alternative solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements None				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Specialization Section Economics Supplementary Section Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Economic Research: Supplementary Section Economic Research				

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	Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education
9	Module Manager Univ.-Prof. Dr. Johannes Münster
10	Miscellaneous

CM Health Economics III					
Module Code 1282MBHHE3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Information problems in healthcare markets		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Relevant players on these markets, their goals and factors influencing decisions • Relationships between the players and implications in terms of health care market design • Analysis of existing health care systems in Europe and the rest of the world 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... analyse current questions and challenges. ... assess and discuss findings and research results of specialized theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... critically evaluate current social developments and develop alternative solutions. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Business Administration - Supply Chain Management: <ul style="list-style-type: none"> Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: <ul style="list-style-type: none"> Supplementary Section Political Science Master of Science Business Administration - Finance: <ul style="list-style-type: none"> Supplementary Section Finance Master of Science Information Systems: <ul style="list-style-type: none"> Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: <ul style="list-style-type: none"> Supplementary Section Corporate Development Master of Science Economics: <ul style="list-style-type: none"> Specialization Section Economics Supplementary Section Master of Science Gesundheitsökonomie: <ul style="list-style-type: none"> Core and Advanced Section Health Economics Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: <ul style="list-style-type: none"> Supplementary Section Business Education Master of Science Economic Research: <ul style="list-style-type: none"> Supplementary Section Economic Research 				

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

9	Module Manager Univ.-Prof. Dr. Christoph Schottmüller
10	Miscellaneous

SpM Market Design and Behaviour III					
Module Code 1289MSMDB3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Economics of Innovation		Contact Hours 60h	Self-Studies 120h	Course Language English
2	<p>Module Content</p> <p>Core and current research in the field Economics of Innovation:</p> <ul style="list-style-type: none"> • Ideas and knowledge production, adoption and diffusion of technologies • Competition in product markets, market entry, innovation, and economic growth • Innovation, productivity, and reallocation • Intellectual property rights, science and basic research • Mobility of innovators and high-skilled individuals • Decision-making of inventors and entrepreneurs • Artificial intelligence, automation, and digital transformation <p>Empirical modelling and econometric methods:</p> <ul style="list-style-type: none"> • Potential outcomes, treatments, assignment mechanisms, and identification of causal effects • Difference-in-differences methods, methods using instrumental variables • Propensity-score and matching methods, non- and semi-parametric models, machine learning 				
3	<p>Learning Objectives</p> <p>Students...</p> <p>... understand advanced methods in the field Economics of Innovation.</p> <p>... extend and use their knowledge of econometrics, economic theory, and data sources.</p> <p>... assess and evaluate quantitative findings and research results.</p> <p>... present and discuss scientific contributions, including their own contributions.</p> <p>... are introduced to new research questions.</p> <p>... use techniques of scientific work and good scientific practice.</p>				
4	<p>Teaching and Learning Methods</p> <p>lecture</p> <p>practice</p>				
5	<p>Module Entry Requirements</p> <p>Recommendation: CMs Econometrics, Microeconomics, and Macroeconomics and AM Empirical Methods in the M.Sc. Economics or the CMs Advanced Econometrics I, Advanced Microeconomics I, and Advanced Macroeconomics I in the M.Sc. Economic Research</p>				
6	<p>Mode of End-Of-Module Examination</p> <p>Written test: PO</p>				
7	<p>Prerequisites for Awarding of Credit Points</p> <p>Passing the module examination</p>				
8	<p>Other Programmes that Use the Module</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Finance: Supplementary Section Finance</p>				

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	Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Specialization Section Economics Supplementary Section
9	Module Manager Univ.-Prof. Dr.' Susanne Prantl
10	Miscellaneous See the relevant online systems and www.ieam.uni-koeln.de for further information.

SpM Market Design and Mechanism Design					
Module Code 1289MSMMD1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Matching and Market Design: Theory and Practice		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content Matching Markets, Mechanism Design with and without monetary transfers				
3	Learning Objectives Students... ... understand leading theoretical models of mechanism market design with and without monetary transfers. ... analyse existing mechanism market designs based on a portfolio of theories, experiments and empirical analyses. ... improve existing mechanism market designs.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Knowledge of game theory				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Specialization Section Economics Supplementary Section Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Science Economic Research: Specialization Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Alexander Westkamp				

valid for students of the ER 2015 (enrolment for winter semester 2020/21 at the latest)

10	Miscellaneous
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SpM Empirical Methods and Data Analysis I					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1314MSEMD1	180h	6	English	every 2nd term - winter term	1 Term
1	Courses a) Statistical Inference b) Topics in Econometrics and Statistics I		Contact Hours a) 45h b) 45h	Self-Studies a) 135h b) 135h	Course Language a) English b) English
2	Module Content <ul style="list-style-type: none"> • Foundations of probability theory • Theory of point estimation and estimation techniques (e.g. maximum likelihood) • Theory of hypothesis testing and selected tests • Interval estimation 				
3	Learning Objectives Students... ... understand advanced, specialised theories / methods.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: solid basic knowledge of probability theory				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the written examination of one course. A course is to be attended; the written examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Marketing: Core and Advanced Section Marketing				

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	Master of Science Economic Research: Supplementary Section Economic Research Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation
9	Module Manager Univ.-Prof. Dr. Dominik Wied
10	Miscellaneous

SpM Empirical Methods and Data Analysis III					
Module Code 1314MSEMD3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Time Series Econometrics b) Stochastic Models and Processes c) Topics in Econometrics and Statistics III		Contact Hours a) 45h b) 45h c) 45h	Self-Studies a) 135h b) 135h c) 135h	Course Language a) English b) English c) English
2	Module Content a) Time Series Econometrics: <ul style="list-style-type: none"> • ARMA Models • State-Space Models • Models for Non-Stationary Time Series • Multivariate Time Series Models • Non-Stationarity in Multivariate Time Series b) Stochastic Models and Processes: <ul style="list-style-type: none"> • Deepening topics in statistical inference • bootstrap • nonparametric density estimation • nonparametric tests (e.g. for independence) • Brownian motions • Poisson processes • Markov processes Course c) Topics in Econometrics and Statistics III will be offered if available.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Solid basic knowledge of probability theory				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the written examination of one course. A course is to be attended; the written examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management				

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	<p>Master of Science Economics: Specialization Section Economics Supplementary Section</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance</p> <p>Master of Science Information Systems: Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Marketing: Core and Advanced Section Marketing</p> <p>Master of Science Economic Research: Specialization Section Economic Research Supplementary Section Economic Research</p> <p>Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation</p>
9	<p>Module Manager Univ.-Prof. Dr. Dominik Wied</p>
10	<p>Miscellaneous</p>

SpM Empirical Methods and Data Analysis IV					
Module Code 1314MSEMD4	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Statistical Analysis of Financial Data b) Topics in Econometrics and Statistics IV		Contact Hours a) 45h b) 45h	Self-Studies a) 135h b) 135h	Course Language a) English b) English
2	Module Content <ul style="list-style-type: none"> • Properties of financial time series • Time series models • Efficiency of financial markets • Empirical analysis of the capital asset pricing model • Empirical analysis of intertemporal asset pricing models • Volatility models • Market Microstructure and high-frequency data 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... justify and defend (independently developed) positions or problem solutions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Solid knowledge of statistical and econometric methods; CM Econometrics or CM Applied Econometrics (Business Administration) or CM Advanced Econometrics				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the written examination of one course. A course is to be attended; the written examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development:				

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	Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Economic Research: Supplementary Section Economic Research
9	Module Manager Univ.-Prof. Dr. Roman Liesenfeld
10	Miscellaneous

SpM Empirical Methods and Data Analysis V					
Module Code 1314MSEMD5	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Multivariate Statistics b) Panel Data Analysis c) Bayesian Econometrics d) Topics in Econometrics and Statistics V		Contact Hours a) 45h b) 45h c) 45h d) 45h	Self-Studies a) 135h b) 135h c) 135h d) 135h	Course Language a) English b) English c) English d) English
2	<p>Module Content</p> <p>a) Multivariate Statistics:</p> <ul style="list-style-type: none"> • Analysis of Variance • Eigenvalues • Principal Component Analysis • Factor Analysis • Discriminant Analysis • Cluster Analysis • Multivariate Testing • Correlation Analysis <p>b) Panel Data Analysis:</p> <ul style="list-style-type: none"> • Static Panel Data Model • Dynamic Panel Data Model • Extensions • Factor Analysis <p>c) Bayesian Econometrics:</p> <ul style="list-style-type: none"> • Basic Principles of Bayesian Econometrics • Bayesian Estimators and Numerical Integration • Importance Sampling and Markov-Chain-Monte-Carlo • Gaussian Linear Regression Model with Conjugate Priors • Gaussian Linear Regression Model with Non-Conjugate Priors • Linear Regression Model with General Error Covariance Matrix • Time Series Models • Models for discrete dependent variables • Students will practice the use of the methods using econometric software to analyse economic data <p>d) Topics in Econometrics and Statistics 5:</p> <ul style="list-style-type: none"> • Recent statistical and econometric methods • Applications in business administration, management studies and economics and social sciences 				
3	<p>Learning Objectives</p> <p>Students...</p> <ul style="list-style-type: none"> ... understand advanced, specialized methods in Statistics and Econometrics. ... analyse current questions and challenges in Statistics and Econometrics. ... analyse data material for selected scientific questions using statistical and econometric methods. ... justify and defend (independently developed) positions or problem solutions. ... discuss scientific topics in a professional manner and appropriate to the situation with specialists. ... use techniques of scientific work and good scientific practice. 				

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4	<p>Teaching and Learning Methods lecture practice</p>
5	<p>Module Entry Requirements Recommendation: CM Econometrics or CM Applied Econometrics (Business Administration) or CM Advanced Econometrics</p>
6	<p>Mode of End-Of-Module Examination Oral examination: OE</p>
7	<p>Prerequisites for Awarding of Credit Points Passing the oral examination of one course. A course is to be attended; the oral examination relates to the content of one course.</p>
8	<p>Other Programmes that Use the Module Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Economic Research: Supplementary Section Economic Research</p>
9	<p>Module Manager Dr. Bastian Gribisch</p>
10	<p>Miscellaneous</p>

Specialisation Module Seminar Statistics and Econometrics					
Module Code 1314SMSS00	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Seminar in Statistics and Econometrics		Contact Hours 30h	Self-Studies 150h	Course Language German and English
2	Module Content The seminar covers topics from areas such as: <ul style="list-style-type: none"> • Time series analysis • Microeconometrics • Macroeconometrics • Panel econometrics • Financial market econometrics and statistics • Bayesian econometrics and statistics • Non-parametric methods • Analysis of stochastic processes • Statistical inference 				
3	Learning Objectives Students... ... analyse specialist literature on the subject. ... critically assess contemporary statistical and econometric methods. ... apply contemporary statistical and econometric methods independently in practice to analyse real data. ... write and present a paper in accordance with academic standards.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommended: Core module Econometrics I and/or specialisation module Advanced Statistics (Stochastics Processes) or Advanced Statistics (Statistical Inference)				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the combined examination.				
8	Other Programmes that Use the Module Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development:				

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	Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation
9	Module Manager Univ.-Prof. Dr. Jörg Breitung Univ.-Prof. Dr. Roman Liesenfeld Univ.-Prof. Dr. Dominik Wied
10	Miscellaneous

CM Econometrics						
Module Code 1314MBECO1		Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Econometrics			Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Linear regression model • Least squares (LS) method and generalized least squares (GLS) method • Endogeneity and instrumental variable (IV) method • Maximum likelihood (ML) method • Models for limited dependent variables • Time series models 					
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... justify and defend (independently developed) positions or problem solutions.					
4	Teaching and Learning Methods lecture practice					
5	Module Entry Requirements no recommendation					
6	Mode of End-Of-Module Examination Written test: WT (90)					
7	Prerequisites for Awarding of Credit Points Passing the module examination					
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Master of Science Economics: Core and Advanced Section Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing:					

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	<p>Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Marketing: Core and Advanced Section Marketing Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Roman Liesenfeld</p>
10	<p>Miscellaneous</p>

AM Empirical Methods					
Module Code 1314MAEMT1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Empirical Methods		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Principles of modern data analysis • Parametric and nonparametric statistical inference • Causal Inference • Specialized econometric tools • Machine learning and big-data methods • Classification methods 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements Recommendation: BM Econometrics				
6	Mode of End-Of-Module Examination Written test: WT (90)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core and Advanced Section Supply Chain Management Master of Science Economics: Specialization Section Economics Supplementary Section Master of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Master Regional Studies China Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Core and Advanced Section Finance Supplementary Section Finance Master of Science Information Systems:				

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	<p>Supplementary Section Information Systems</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Marketing: Core and Advanced Section Marketing</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Master Regional Studies Eastern Europe</p> <p>Master of Science Business Administration - Corporate Development: Core and Advanced Section Corporate Development</p> <p>Master of Science Business Administration - Accounting and Taxation: Core and Advanced Section Accounting and Taxation</p> <p>Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Economics Master Regional Studies Latin America</p>
9	<p>Module Manager Univ.-Prof. Dr. Jörg Breitung</p>
10	<p>Miscellaneous</p>

Studies Abroad I (Master)					
Module Code 1014SAEr01	Workload 360h	ECTS Credits 12	Module Language	Module Availability every term	Duration 1 Term
1	Courses		Contact Hours	Self-Studies	Course Language
2	Module Content Depends on chosen course				
3	Learning Objectives Students... ... describe approaches to business administration, economics and social sciences from an international perspective. ... explain international issues in the areas of business administration, economics and social science. ... discuss and compare different theories and approaches in business administration, economics and social science. ... develop new intellectual perspectives with regard to their own education. ... recognize the dynamic, global dimensions of their professional future.				
4	Teaching and Learning Methods depending on course choice				
5	Module Entry Requirements No recommendations				
6	Mode of End-Of-Module Examination TR - depending on course selection				
7	Prerequisites for Awarding of Credit Points Depends on chosen course				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Economics: Supplementary Section Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation				

9	Module Manager
10	Miscellaneous Language: can be held in English or in any language offered at the host university. This module can be studied at a higher education institution in another country. There is a standardised crediting procedure for such cases. Information about course crediting (deadlines and procedures) can be obtained from the Credit Transfer Centre (WiSo Credit Transfer Centre: https://www.anrechnungswiso.uni-koeln.de/) This module can also be taken as part of a summer school organised by the WiSo Faculty. In this case, students must register for the examination in accordance with the rules of the WiSo Faculty prior to embarking on the module.

Studies Abroad II (Master)						
Module Code 1014SAEr02		Workload 360h	ECTS Credits 12	Module Language	Module Availability every term	Duration 1 Term
1	Courses			Contact Hours	Self-Studies	Course Language
2	Module Content Depends on chosen course					
3	Learning Objectives Students... ... describe approaches to business administration, economics and social sciences from an international perspective. ... explain international issues in the areas of business administration, economics and social science. ... discuss and compare different theories and approaches in business administration, economics and social science. ... develop new intellectual perspectives with regard to their own education. ... are better equipped to deal with the dynamic, global dimensions of their professional future in an effective manner.					
4	Teaching and Learning Methods depending on course choice					
5	Module Entry Requirements No recommendations					
6	Mode of End-Of-Module Examination TR - depending on course selection					
7	Prerequisites for Awarding of Credit Points Depends on chosen course.					
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Sociology and Social Research: Supplementary Section Sociology and Social Research Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Finance: Supplementary Section Finance Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Supplementary Section Business Education Master of Science Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation					

9	Module Manager
10	Miscellaneous Language: Can be offered in English or in any language possible at the host university. This module can be studied at a higher education institution in another country. There is a standardised crediting procedure for such cases. Information about course crediting (deadlines and procedures) can be obtained from the Credit Transfer Centre (WiSo Credit Transfer Centre: https://www.anrechnungswiso.uni-koeln.de/) This module can also be taken as part of a summer school organised by the WiSo Faculty. In this case, students must register for the examination in accordance with the rules of the WiSo Faculty prior to embarking on the module.

3.6.4 Master's Thesis

Master Thesis in Business Administration					
Module Code 1015MaBA00	Workload 900h	ECTS Credits 30	Module Language German and English	Module Availability every term	Duration 1 Term
1	Courses		Contact Hours	Self-Studies	Course Language
2	Module Content The topic of the master's thesis on the Business Administration programme must come from the specialisation section or from the subject group taken by the candidate in the supplementary section. If the topic relates to the supplementary section, the candidate must already have accumulated 18 ECTS credits in said supplementary section.				
3	Learning Objectives Students... ... are familiar with current debate on international management theory and methods and make use of it through their own independent research work. ... identify questions and issues that meet academic requirements. ... work on these questions independently, using the main primary and secondary literature. ... formulate theoretical and methodical (qualitative and/or quantitative) approaches to academic research. ... draw up a research plan and implement it independently. ... organise and design an academic research process. ... independently collect relevant data and evaluate them in a methodically competent manner. ... discuss theoretical and methodical problems in depth with teaching staff, other students and persons with an interest in the field. ... critically assess research findings and derive conclusions from them that are relevant to research and society.				
4	Teaching and Learning Methods Master's Thesis				
5	Module Entry Requirements 60 ECTS credits obtained				
6	Mode of End-Of-Module Examination Written test 6 months				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Master Thesis Master of Science Business Administration - Finance: Masterthesis Master of Science Business Administration - Marketing: Masterthesis Master of Science Business Administration - Corporate Development: Masterthesis				

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	Master of Science Business Administration - Accounting and Taxation: Master Thesis
9	Module Manager AD Dr. Johannes Antweiler
10	Miscellaneous The master's thesis may be written in German or English.