

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
2021

(enrolment from
winter semester 2021/22)



MODULE CATALOGUE

ECONOMICS

MASTER OF SCIENCE

IN ACCORDANCE WITH THE EXAMINATION REGULATIONS FOR THE SINGLE MAJOR
MASTER PROGRAMME IN ECONOMICS

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

Academic Director	Prof. Michael Krause, Ph.D
Programme Director	Dr. Christoph Scheicher
Editor	Vice Dean of Studies Department - WiSo Faculty
Student Services	WiSo-Student Service Point (WiSSPo) +49 (0) 221 / 470 - 8818 www.wiso.uni-koeln.de/enquiry
Status	Taking effect on 01/10/2022

List of abbreviations

AM	Advanced module	PRES	Presentation
AS	Assignment	SI	Studium Integrale
C	Course	SpM	Specialisation module
CC	Compulsory course	SuM	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		

Table of contents

LIST OF ABBREVIATIONS	III
1 ECONOMICS	1
1.1 Content and objectives of the programme.....	1
1.2 Requirements	2
1.3 Programme structure	3
1.4 Study Abroad Option.....	3
1.5 Sample study plans.....	6
1.6 Modules with mid-term examinations	7
1.7 Calculation of the overall mark.....	7
1.8 Rules for failed attempts	7
2 SUPPORT FOR STUDENTS	9
2.1 Course registration in KLIPS 2.0	9
2.2 Exam registration in KLIPS 2.0	9
2.3 Subject-specific and examination advice.....	9
2.4 Other sources of information and advice.....	10
3 CURRICULUM AND MODULE DESCRIPTIONS.....	12
3.1 Core section.....	12
3.2 Specialisation section	13
3.3 Supplementary section Economics	15
3.4 Supplementary section Management & Social Sciences.....	16
3.5 Extracurricular course programme	19
3.6 Master's thesis.....	19
3.7 Module descriptions	20
3.7.1 Core Section	20
3.7.2 Specialisation Section	28
3.7.3 Supplementary Section Economics.....	71
3.7.5 Master Thesis	223

1 Economics

The Master in Economics programme gives students the sound academic training they require to perform economic and financial consultancy work as well as prepares them for roles involving the analysis and design of economic systems, treaty-making as well as negotiating institutions and solutions to problems faced by specific markets. Graduates from the programme understand macroeconomic and microeconomic processes and structures and are able to analyse them using theoretical and empirical research methods and develop possible solutions to economic problems on their own.

1.1 Content and objectives of the programme

The Master’s degree corresponds to level 7 of the German Qualifications Framework/European Qualifications Framework, and to the master level of the German Qualifications Framework for University Degrees. The competencies which are acquired during the course of studies are listed below as “Intended Learning Outcomes”. These Intended Learning Outcomes are comprised of “Learning Goals” and “Learning Objectives”. The former are superordinate goals for the graduates of this study programme, while the latter refer to concrete tasks performed by the students.

Graduates act as/with...	
Subject-related and analytical competencies	...experts for economic theories and methods to understand and empirically prove economic relationships.
	<i>Students will develop and use basic microeconomic, macroeconomic and econometric models and methods to theoretically derive and empirically test important economic relationships.</i>
	<i>Students develop and use special and advanced microeconomic, macroeconomic and econometric models and methods to identify, theoretically derive and empirically test adequate economic relationships for specific questions.</i>
	...critical users of economic models and methods to face current professional challenges.
	<i>Students reflect on assumptions of economic models and prerequisites of economic methods in order to better overlook their usability and limitations.</i>
	<i>Students analyze specific questions on current economic topics and discuss resulting challenges in the use of theories and methods.</i>
	...analysts of economic and interdisciplinary issues related to economics in order to meet professional or interdisciplinary challenges.
	<i>Students use methods and models from economics and social sciences to further deepen their economic competencies or extend them to related fields.</i>
<i>Students analyze specific economic and social science issues and discuss resulting challenges in the use of known theories and methods, from economics and, where appropriate, other social science disciplines.</i>	

Communicative and cooperative competencies	...communication strategists in the economic and methodological field to participate in international and diverse teams in a goal-oriented manner.
	<i>Students discuss economic contexts in English on the basis of jointly and individually developed knowledge of methods, models and theories.</i>
	<i>The students discuss in English economic and social science topics on the basis of independently developed papers.</i>
Personal competencies	...self-reflective critical thinkers to support economic and socio-political decision-making processes in a scientifically sound manner.
	Students scrutinize economic policy measures and regulation as well as theoretical explanations and empirical studies, taking into account current economic understanding of models and theories and the results of current econometric data analyses.
	Students independently design their learning and work processes based on critical self-reflection.

Graduates enjoy various career opportunities in posts with an economic focus at public institutions such as government ministries, central banks, government offices and public administrations (such as regulatory authorities), European institutions (such as the EU Commission) and international institutions (such as the OECD, IMF or World Bank). Research centres and economics departments of private establishments (banks, consultancies, large industrial companies, associations and media) are also potential employers. By combining certain specialisation modules (e.g. energy, media or financial economics) with supplementary business administration modules, students create additional opportunities for themselves on the job market in business administration in the narrower sense of the term. Graduates can also find work in consultancies, academic research institutes or higher education institutions.

1.2 Requirements

The admission requirement for the study programme is a first professionally qualifying degree in a relevant Bachelor's programme of at least six semesters' duration, in which at least 180 credit points were acquired, or an equivalent successfully completed course of study with a final grade of 2.7 or better. Furthermore, English language skills at level B2 according to the Common European Framework of Reference for Languages are required at the beginning of the programme.

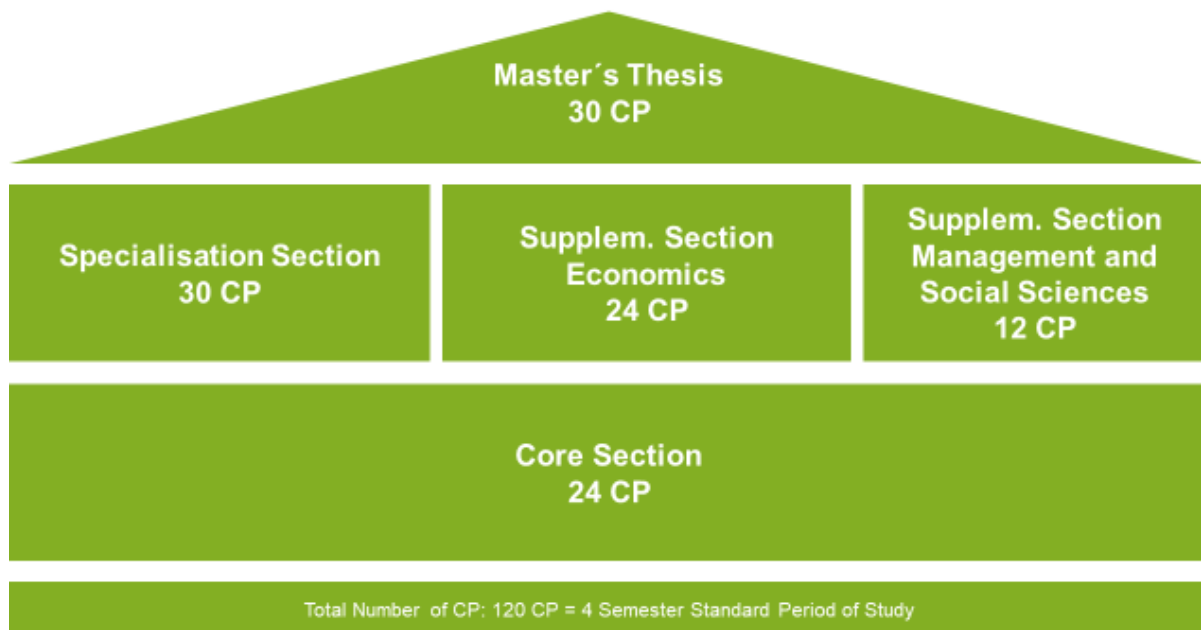
These and other subject-related requirements for the course of study are defined in the **admission regulations**.

The WiSo Faculty has established a **Double Master's Programme in Economics** in cooperation with Keio University. Students admitted to the double degree track are spending one year at Keio University and receive the master's degrees of both universities after successful completion. Participants are exempt from paying tuition fees at the partner university. Students

need to apply to the programme before commencing their studies. The **International Relations Center (ZIB WiSo)** serves as point of information and advice concerning the application process and the study plan.

1.3 Programme structure

The master programme is modular in its structure and the standard period of study is four terms. Students are required to accumulate 120 ECTS credits. They begin with core modules, which contribute a total of 24 ECTS credits. In the Specialisation section students have the opportunity to acquire 30 ECTS in one of three focal areas: Empirical Methods and Data Analysis (EMDA), Markets and Economic Policy (MEP) oder Market Design and Behaviour (MDB). In the supplementary section, they can accumulate a total of 36 ECTS: 24 ECTS credits on courses in Economics and 12 ECTS other subject areas offered by the Faculty. The master's thesis to be written at the end of the programme carries 60 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 programme in 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, aside from the STAP programme, the WiSo Faculty organises an exclusive short-term study option WiSo@NYC which takes place in New York City.

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-term 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 studies. The STAP main selection round takes place once a year with application deadline 15 January 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)



* 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**.

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

1.5 Sample study plans

When choosing modules from the supplementary section "Economics", please make sure that you do not require them to complete your chosen specialisation section. This is because by registering for the examination in a module, you determine which section it will be assigned to. A subsequent change of modules between sections is then no longer possible.

M.Sc. Programme Economics						
1. Semester	Core Module Mathematics <small>CC 1314MBMAT1 6 CP</small>	Core Module Microeconomics <small>CC 1289MBMIC1 6 CP</small>	Core Module Macroeconomics <small>CC 1302MBMAC1 6 CP</small>	Core Module Econometrics <small>CC 1314MBECO1 6 CP</small>	Specialisation Module (1/3) <small>EC 6 CP</small>	CP 30
2. Semester	Advanced Module Methods <small>CC 6 CP</small>	Specialisation Module Seminar <small>CC 6 CP</small>	Supplementary Module Economics Seminar <small>CC 1287MESEC1 6 CP</small>	Supplementary Module Economics (1/3) <small>EC 6 CP</small>	Specialisation Module (2/3) <small>EC 6 CP</small>	30
3. Semester	Supplementary Module Management and Social Sciences <small>EC 12 CP</small>		Supplementary Module Economics (2/3) <small>EC 6 CP</small>	Supplementary Module Economics (3/3) <small>EC 6 CP</small>	Specialisation Module (3/3) <small>EC 6 CP</small>	30
4. Semester	Master Thesis Economics <small>CC 1287MMECO1 30 CP</small>					30
Sections						
	Core	Specialisation	Supplementary			

M.Sc. Programme Economics (with study abroad option)						
1. Semester	Core Module Mathematics <small>CC 1314MBMAT1 6 CP</small>	Core Module Microeconomics <small>CC 1289MBMIC1 6 CP</small>	Core Module Macroeconomics <small>CC 1302MBMAC1 6 CP</small>	Core Module Econometrics <small>CC 1314MBECO1 6 CP</small>	Specialisation Module (1/3) <small>EC 6 CP</small>	CP 30
2. Semester	Advanced Module Methods <small>CC 6 CP</small>	Specialisation Module Seminar <small>CC 6 CP</small>	Supplementary Module Economics Seminar <small>CC 1287MESEC1 6 CP</small>	Specialisation Module (2/3) <small>EC 6 CP</small>	Specialisation Module (3/3) <small>EC 6 CP</small>	30
3. Semester <small>semester abroad</small>	Supplementary Module Economics – Studies Abroad <small>EC 18 CP</small>		Supplementary Module Management and Social Sciences – Studies Abroad <small>EC 12 CP</small>			30
4. Semester	Master Thesis Economics <small>CC 1287MMECO1 30 CP</small>					30
Sections						
	Core	Specialisation	Supplementary			

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.

1.7 Calculation of the overall mark

The marks for core, supplementary as well as specialisation sections are calculated as the weighted arithmetic mean of the marks for the respective modules, based on the weighting system described in the examination regulations. In the case of end-of-module examinations consisting of several components, the mark for the module is calculated as specified in the **examination regulation**.

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 Economics programme, the weighting for the contributions to the overall mark is as follows:

- a) Mark for core section: 24 of 120 ECTS credits
- b) Mark for specialisation section: 30 of 120 ECTS credits
- c) Mark for supplementary section: 36 of 120 ECTS credits
- d) Mark for master's thesis: 30 of 120 ECTS credits

1.8 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 Support for students

2.1 Course registration in KLIPS 2.0

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**.

2.2 Exam registration in KLIPS 2.0

Examinations on the various programmes are always managed via KLIPS 2.0. Students must register for them within specified deadlines. Please note that registration for courses **without** restriction on participation via KLIPS and registration for the corresponding module examinations are two completely separate processes. In the case of courses which are subject to a restriction on participation, an examination registration is generally only possible if a registration for the course has been submitted beforehand. Most examinations in written test form are offered twice per term. Often, this will be to “space out” the dates, i.e. students can choose the date that best fits their examination schedule. In some cases, however, the second examination may be a genuine repetition of the first, depending on the department/institute concerned. All WiSo Faculty examination candidates are entitled to see their examination papers after they have been marked. For more information, please visit the **WiSo Examination Office website**.

2.3 Subject-specific and examination advice

The **WiSSPo** provide 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, via e-mail. The opening hours and contact information can be found on the corresponding website.

Subject-specific advice is provided during the designated consulting hours by the University's faculty members and associated teaching staff ("akademische Mitarbeiterinnen und Mitarbeiter") involved in the teaching of 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 Office**.

2.4 Other sources of information and advice

International students who study at the WiSo Faculty for part of their programme can turn to the **International Relations Center** 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** 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 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 corresponding 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.

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

Students who are having difficulties with their studies or their personal lives can seek help from the **Psychosocial Counselling Service** run by the Kölner Studierendenwerk. 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 from the WiSo faculty. In addition to advice from fellow students it also provides a variety of useful services for studying

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

at the WiSo faculty. Any information can be found at [wiso-buero.uni-koeln.de](https://www.wiso.uni-koeln.de) or by directly writing an email to wiso-buero@uni-koeln.de.

3 Curriculum and module descriptions

3.1 Core section

In accordance with section 30(1), No. 1 of the Examination Regulations, the examination candidate must obtain 24 ECTS credits in the core section.

Group	Module	ECTS	CC/ EC	Required ECTS
Core Section Economics	CM Mathematics	6	CC	24
	CM Microeconomics	6	CC	
	CM Macroeconomics	6	CC	
	CM Econometrics	6	CC	

3.2 Specialisation section

In accordance with section 30(1), No. 2 of the Examination Regulations, the examination candidate must obtain 30 ECTS credits in the specialisation section.

When choosing modules from the supplementary section "Economics", please make sure that you do not require them to complete your chosen specialisation section. This is because by registering for the examination in a module, you determine which section it will be assigned to. A subsequent change of modules between sections is then no longer possible.

Group	Module	ECTS	CC/ EC	Required ECTS	
Empirical Methods and Data Analysis	AM Empirical Methods	6	CC	12	30
	SpM Seminar Empirical Methods and Data Analysis	6	CC		
	SpM Empirical Methods and Data Analysis I	6	EC	18	
	SpM Empirical Methods and Data Analysis II	6	EC		
	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		
Markets and Economic Policy	AM Empirical Methods	6	EC	6	30
	AM Computational Methods	6	EC		
	AM Selected Methods in Economics	6	EC		
	SpM Seminar Markets and Economic Policy	6	CC	6	
	SpM Markets and Economic Policy I	6	EC	18	
	SpM Markets and Economic Policy II	6	EC		
	SpM Markets and Economic Policy III	6	EC		
	SpM Markets and Economic Policy IV	6	EC		
	SpM Markets and Economic Policy V	6	EC		

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

Market Design and Behaviour	AM Empirical Methods	6	EC	6	30
	AM Computational Methods	6	EC		
	AM Selected Methods in Economics	6	EC		
	SpM Seminar Market Design and Behaviour	6	CC	6	
	SpM Market Design and Behaviour I	6	EC	18	
	SpM Market Design and Behaviour II	6	EC		
	SpM Market Design and Behaviour III	6	EC		
	SpM Market Design and Behaviour IV	6	EC		
	SpM Market Design and Behaviour V	6	EC		

3.3 Supplementary section Economics

In accordance with section 30(1), No. 3 of the Examination Regulations, the examination candidate must obtain 24 ECTS credits in a sub-group of the supplementary section.

When choosing modules from the supplementary section "Economics", please make sure that you do not require them to complete your chosen specialisation section. This is because by registering for the examination in a module, you determine which section it will be assigned to. A subsequent change of modules between sections is then no longer possible.

Group	Module	ECTS	CC/ EC	Required ECTS	
Supplementary Section Economics	SuM Seminar Economics	6	CC	6	24
	AM Empirical Methods	6	EC	18	
	AM Computational Methods	6	EC		
	AM Selected Methods in Economics	6	EC		
	SuM Energy and Climate Change I	6	EC		
	SuM Energy and Climate Change II	6	EC		
	SuM Energy and Climate Change III	6	EC		
	SuM Energy and Climate Change IV	6	EC		
	SpM Empirical Methods and Data Analysis I	6	EC		
	SpM Empirical Methods and Data Analysis II	6	EC		
	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		
	SpM Markets and Economic Policy I	6	EC		
	SpM Markets and Economic Policy II	6	EC		
	SpM Markets and Economic Policy III	6	EC		
	SpM Markets and Economic Policy IV	6	EC		
	SpM Markets and Economic Policy V	6	EC		
	SpM Market Design and Behaviour I	6	EC		

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	SpM Market Design and Behaviour II	6	EC		
	SpM Market Design and Behaviour III	6	EC		
	SpM Market Design and Behaviour IV	6	EC		
	SpM Market Design and Behaviour V	6	EC		
	SpM Market Design and Mechanism Design	6	EC		
	SpM Political Economics and Media Economics	6	EC		
	SpM Frictions, Technology, and Inequality	6	EC		
	SpM Advanced Public Economics	6	EC		
	SpM Advanced Behavioural Economics	6	EC		
	CM Health Economics III	6	EC		
	Studies Abroad in Economics I	6	EC		
	Studies Abroad in Economics II	6	EC		
	Studies Abroad in Economics III	6	EC		

3.4 Supplementary section Management & Social Sciences

In accordance with section 30(1), No. 3 of the Examination Regulations, the examination candidate must obtain 12 ECTS credits in a sub-group of the supplementary section.

Group		Module	ECTS	CC/ EC	Required ECTS	
Supplementary Section Management & Social Sciences	Accounting	SpM Taxation I	6	EC	12	12
		SpM Controlling I	6	EC		
		SpM Accounting I	6	EC		
		SpM Taxation II	6	EC		
		SpM Controlling II	6	EC		
		SpM Accounting II	6	EC		
	Business Analytics &	CM Data Analytics I	6	EC	12	
		CM Data Analytics III	6	EC		
		CM Data Analytics V	6	EC		

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

		CM Data Analytics II	6	EC	
		CM Data Analytics IV	6	EC	
Corporate Development		SpM Business Ethics	6	EC	12
		SpM Strategic Development	6	EC	
		SpM Strategic Human Resource Management	6	EC	
		SpM Strategic Management	6	EC	
Finance		SpM Finance I	6	EC	12
		SpM Finance II	6	EC	
		SpM Finance III	6	EC	
Marketing		SpM Brand Management	6	EC	12
		SpM Customer Management	6	EC	
		SpM Marketing Performance Management	6	EC	
		SpM Digital Strategy and Marketing	6	EC	
Supply Chain Management		CM Supply Chain Analytics I	6	EC	12
		CM Supply Chain Analytics II	6	EC	
		SpM Supply Chain Operations	6	EC	
		SpM Supply Chain Strategy	6	EC	
		SpM Supply Chain Planning	6	EC	
		SpM Selected Issues in Behavioural Supply Chain Management	6	EC	
Information Systems		CM Information Systems I	6	EC	12
		CM Information Systems II	6	EC	
		CM Digital Transformation	6	EC	
Political Science		CM Comparative Political Institutions	6	EC	12
		CM Comparative Political Economy	6	EC	
		CM Democratic Theory and Practice	6	EC	
		CM International Relations	6	EC	

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

		CM European Politics	6	EC	
		SpM Special Topics Political Science I	6	EC	
		SpM Special Topics Political Science II	6	EC	
	Sociology	CM Sociology II Sociological Theory	6	EC	12
		CM Sociology III Contemporary Societies: Social Structure and Social Change	6	EC	
	Economic Geography	SuM Economic Geography I	6	EC	12
		SuM Economic Geography II	6	EC	
		SuM Economic Geography III	6	EC	
		SuM Economic Geography IV	6	EC	
	Economic Psychology	SuM Introduction to Economic Psychology	12	EC	12
	Media and Technology Management	SuM Media and Technology Management - Enterprises, Markets, and Strategies	6	EC	12
		SuM Media and Technology Management - Selected Issues I	6	EC	
		SuM Media and Technology Management - Selected Issues II	6	EC	
		SpM Media and Technology Management - Research and Publications	6	WP	
	Studies Abroad	Studies Abroad I	6	EC	12
		Studies Abroad II	6	EC	

3.5 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.

3.6 Master's thesis

The master's thesis, which carries 24 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 must reflect the economic methods learned during the programme.

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.

3.7 Module descriptions

3.7.1 Core Section

CM Mathematics					
Module Code 1314MBMAT1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Mathematics for Economists		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Systems of linear equations, fundamentals of linear algebra, determinants, eigenvalues and eigenvectors • Optimisation of functions of several variables • Difference and differential equations • Systems of difference and differential equations 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... communicate continuously and purposefully in diverse teams. ... 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: Knowledge of mathematics for economists on bachelor level				
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 Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Supply Chain Management:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	Module Manager Prof. Dr. Rainer Dyckerhoff
10	Miscellaneous

CM Microeconomics					
Module Code 1289MBMIC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Microeconomics		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content The course focuses on microeconomic theory. Next to the fundamental question of an efficient and sustainable resource allocation, the main emphasis is on game theory and information asymmetries. Aggregation of information in democratic decisions and desirable normative criteria for such decisions are also covered.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in microeconomics. ... assess and discuss findings and research results of specialized theories / methods. ... 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 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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Economics: Core Section Economics Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld				
9	Module Manager Univ.-Prof. Dr. Christoph Schottmüller				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

10	Miscellaneous
-----------	----------------------

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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Core Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Mathematik:					

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Michael Krause, Ph.D.</p>
10	<p>Miscellaneous</p>

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 Recommendation: Basic knowledge of statistics and matrix algebra				
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 - Marketing: Core Section Marketing Master of Science Economics: Core Section Economics Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science Business Administration - Finance: Core Section Finance				
9	Module Manager Univ.-Prof. Dr. Roman Liesenfeld				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

10	Miscellaneous
-----------	----------------------

3.7.2 Specialisation Section

AM Empirical Methods					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1314MAEMT1	180h	6	English	every 2nd term - summer term	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 Economics: Specialisation Section Economics Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science Economics: Supplementary Section Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

9	Module Manager Univ.-Prof. Dr. Jörg Breitung
10	Miscellaneous

SpM Seminar Empirical Methods and Data Analysis					
Module Code 1314MSSEM1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Seminar Empirical Methods and Data Analysis		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content Independent work on a current topic in econometrics and statistics (from the fields of financial, micro and time series econometrics as well as statistical learning)				
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. ... present scientific results in a way that is appropriate for the target audience.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommendation: Knowledge from specialized modules in econometrics and statistics				
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 Economics: Specialisation Section Economics Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics				
9	Module Manager Fachbereich Ökonometrie und Statistik				
10	Miscellaneous				

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 - Marketing: Core Section Marketing Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management Master of Science Business Analytics & Econometrics: Specialisation Section Business Analytics & Econometrics Supplementary Section Business Analytics & Econometrics Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Dominik Wied</p>
10	<p>Miscellaneous</p>

SpM Empirical Methods and Data Analysis II					
Module Code 1314MSEMD2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Microeconometrics b) Machine Learning for Economists c) Topics in Econometrics and Statistics II		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 <ul style="list-style-type: none"> • Limited dependent variables • Evaluation of treatment effects • Duration analysis • Panel data and factor 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. ... 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: CM Econometrics or CM Applied Econometrics (Business Administration) or CM Advanced Econometrics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the examination. One course is to be attended; the examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Specialisation Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Business Analytics & Econometrics: Specialisation Section Business Analytics & Econometrics Supplementary Section Business Analytics & Econometrics</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Jörg Breitung</p>
10	<p>Miscellaneous</p>

SpM Empirical Methods and Data Analysis III					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1314MSEMD3	180h	6	English	every 2nd term - summer term	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 				
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 - Marketing: <ul style="list-style-type: none"> Core Section Marketing Master of Science Economics: <ul style="list-style-type: none"> Specialisation Section Economics Supplementary Section Economics 				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economic Research: Specialisation Section Economic Research Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</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: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Core Section Finance</p> <p>Master of Science Business Analytics & Econometrics: Specialisation Section Business Analytics & Econometrics Supplementary Section Business Analytics & Econometrics</p> <p>Master of Science Business Administration - Accounting and Taxation: Core Section Accounting and Taxation</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Roman Liesenfeld</p>
10	<p>Miscellaneous</p>

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. 				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

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: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Core Section Finance Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics Master of Science Business Administration - Accounting and Taxation: Core Section Accounting and Taxation 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Dr. Bastian Gribisch</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 Economics: Specialisation Section Economics Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science Economics: Supplementary Section Economics				
9	Module Manager Univ.-Prof. Dr. Jörg Breitung				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

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 Economics: Specialisation Section Economics Master of Science Economic Research: Core Section Economic Research Master of Science Economics: Supplementary Section Economics					
9	Module Manager Univ.-Prof. Dr. Andreas Schabert					
10	Miscellaneous					

AM Selected Methods in Economics					
Module Code 1289MAEXM1	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 Master of Science Economics: Specialisation Section Economics Master of Science Economic Research: Core Section Economic Research Master of Science Economics: Supplementary Section Economics				
9	Module Manager Prof. Christopher Roth				
10	Miscellaneous				

SpM Seminar Markets and Economic Policy						
Module Code 1302MSSMP1		Workload 180h	ECTS Credits 6	Module Language English	Module Availability every term	Duration 1 Term
1	Courses Seminar Markets and Economic Policy			Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content Topics in Economic Theory and Policy in the Area Markets and Economic Policy					
3	Learning Objectives Students... ... assess and discuss findings and research results of specialized theories / methods. ... collect, systematize and synthesize independently literature on selected scientific questions. ... communicate continuously and purposefully in diverse teams. ... justify and defend (independently developed) positions or problem solutions. ... 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: CM Microeconomics, CM Macroeconomics; CM Econometrics					
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 Economics: Specialisation Section Economics					
9	Module Manager CMR Center for Macroeconomic Research					
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Peter Funk</p>
10	<p>Miscellaneous</p>

SpM Markets and Economic Policy II					
Module Code 1302MSMEP2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability irregular	Duration 1 Term
1	Courses Money and Financial Markets		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Empirical Evidence on monetary policy effects • Transaction frictions and money demand • Financial intermediation, banks, and liquidity • Monetary policy and banking • Financial contracts • Financial acceleration • Unconventional monetary policy and interbank markets 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of monetary theory, policy and financial markets. ... analyse current questions and challenges in the area of monetary theory, policy and financial markets. ... 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 Recommendation: CM Macroeconomics or CM Advanced Macroeconomics				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Core Section Finance</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Andreas Schabert</p>
10	<p>Miscellaneous</p>

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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Erik Hornung</p>
10	<p>Miscellaneous</p>

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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Michael Krause, Ph.D.</p>
10	<p>Miscellaneous</p>

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... ... 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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Arts Politikwissenschaft: Supplementary Section Political Science
9	Module Manager Univ.-Prof. Dr. Erik Hornung
10	Miscellaneous

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 Economics: Specialisation Section Economics Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science Economics: Supplementary Section Economics				
9	Module Manager Univ.-Prof. Dr. Jörg Breitung				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

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 Economics: Specialisation Section Economics Master of Science Economic Research: Core Section Economic Research Master of Science Economics: Supplementary Section Economics					
9	Module Manager Univ.-Prof. Dr. Andreas Schabert					
10	Miscellaneous					

AM Selected Methods in Economics					
Module Code 1289MAEXM1	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 Master of Science Economics: Specialisation Section Economics Master of Science Economic Research: Core Section Economic Research Master of Science Economics: Supplementary Section Economics				
9	Module Manager Prof. Christopher Roth				
10	Miscellaneous				

SpM Seminar Market Design and Behaviour						
Module Code 1289MSSMB1		Workload 180h	ECTS Credits 6	Module Language English	Module Availability every term	Duration 1 Term
1	Courses Seminar Market Design and Behaviour			Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content Topics in Economic Theory and Policy in the Area Market Design and Behaviour					
3	Learning Objectives Students... ... assess and discuss findings and research results of specialized theories / methods. ... collect, systematize and synthesize independently literature on selected scientific questions. ... communicate continuously and purposefully in diverse teams. ... justify and defend (independently developed) positions or problem solutions. ... 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: CM Microeconomics; CM Macroeconomics					
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 Economics: Specialisation Section Economics					
9	Module Manager Fachbereich Mikroökonomik					
10	Miscellaneous					

SpM Market Design and Behaviour I					
Module Code 1289MSMDB1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Information and Strategy		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content This module introduces students to the economics of information. It deals with strategic decisions in light of asymmetric information and also with the design of information systems. Possible topics include strategic communication, persuasion, reputation or social learning.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of information economics. ... assess and discuss findings and research results of specialized theories / methods. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... present scientific results in a way that is appropriate for the target audience.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Microeconomics or CM Microeconomics (Business Administration)				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Christoph Schottmüller</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 Recommendation: basic knowledge of game theory and experimental economics				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science
9	Module Manager Univ.-Prof. Dr. Axel Ockenfels
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	Module Content Core and current research in the field Economics of Innovation: <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 Empirical modelling and econometric methods: <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	Learning Objectives Students... ... understand advanced methods in the field Economics of Innovation. ... extend and use their knowledge of econometrics, economic theory, and data sources. ... assess and evaluate quantitative findings and research results. ... present and discuss scientific contributions, including their own contributions. ... are introduced to new research questions. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements 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				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Geographie: Wahlpflichtfach Management & Social Sciences</p> <p>Master of Science Economics: Specialisation Section Economics Supplementary Section Economics</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr.' Susanne Prantl</p>
10	<p>Miscellaneous See the relevant online systems for further information.</p>

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 Recommendation: Prior knowledge of game theory and an interest in formal microeconomic theory				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld
9	Module Manager Univ.-Prof. Dr. Patrick W. Schmitz
10	Miscellaneous

SpM Market Design and Behaviour V					
Module Code 1289MSMDB5	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Corporate Taxation		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Tax competition between jurisdictions • Digitisation and Tax Policy • Reform options for corporate taxation • Cash flow based taxation, border adjustments and trade policy • Carbon pricing and border adjustments • Corporate taxation and corporate finance 				
3	Learning Objectives Students... ... understand the implications of the digital transformation of the economy for tax policy. ... can analyse reform options for corporate taxation. ... develop a conceptual framework to think through the interdependencies of corporate taxation, trade policy and environmental policy. ... learn to communicate about policy relevant research to an academic audience. ... learn to communicate about policy relevant research to non-academic audience. ... engage in a discourse about reform options for policy design. ... analyse public policy taking account of ethical, ecological and social concerns. ... assess current tax policy debates and proposed solutions. ... use the techniques of empirical and theoretical research in applied public finance.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Microeconomics or CM Microeconomics (Business Administration)				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Felix Bierbrauer</p>
10	<p>Miscellaneous</p>

3.7.3 Supplementary Section Economics

SuM Seminar Economics					
Module Code 1287MESEC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every term	Duration 1 Term
1	Courses a) Seminar in Microeconomics b) Seminar in Macroeconomics c) Seminar in Energy and Climate Change d) Seminar in Statistics and Econometrics		Contact Hours a) 30h b) 30h c) 30h d) 30h	Self-Studies a) 150h b) 150h c) 150h d) 150h	Course Language a) English b) English c) English d) English
2	Module Content Independent work on a current topic in micro, macro, energy and climate change, or econometrics and statistics				
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. ... present scientific results in a way that is appropriate for the target audience.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommendation: Knowledge from core modules				
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 Economics: Supplementary Section Economics				
9	Module Manager Fachbereich Volkswirtschaftslehre				
10	Miscellaneous				

SuM Energy and Climate Change I					
Module Code 1289MEECC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Energy Markets and Regulation		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Economic models of energy markets and infrastructure • Short- and long-term equilibria • Market design and regulation • Institutions and policies • New technologies 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of energy economics. ... 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 political, institutional, technological, and social developments.				
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 Economics: Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science 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:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	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 Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development
9	Module Manager Univ.-Prof. Dr. Marc Oliver Bettzüge
10	Miscellaneous

SuM Energy and Climate Change II					
Module Code 1289MEECC2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Growth, Energy, Climate Change		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content This module sheds light on the interrelation between energy use, economic growth, and environmental impacts like climate change. It starts with an introduction on natural science foundations, especially the laws of thermodynamics and their relevance for economics. On this basis, the course covers resource economics, capital theory, the role of energy in production and economic growth, and selected issues in climate policy.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of energy economics. ... analyse current questions and challenges in the area of energy economics. ... communicate continuously and purposefully in diverse teams. ... act responsibly considering ecological, social and ethical criteria.				
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 Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management: Supplementary Section International Management International Master of Environmental Sciences: Environmental Economics Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing: Supplementary Section Marketing				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	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 Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development
9	Module Manager PD Dr. Dietmar Lindenberger
10	Miscellaneous

SuM Energy and Climate Change III						
Module Code 1289MEECC3		Workload 180h	ECTS Credits 6	Module Language English	Module Availability irregular	Duration 1 Term
1	Courses Quantitative Methods in Energy Economics			Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Numerical approaches to energy market modelling • Optimisation problems in energy economics • Empirical methods in energy economics 					
3	Learning Objectives Students... ... learn how to apply quantitative methods for analysing problems in energy economics. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... 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: SuM Energy and Climate Change I					
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 Economics: Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science 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 - Accounting and Taxation:					

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development
9	Module Manager Univ.-Prof. Dr. Marc Oliver Bettzüge
10	Miscellaneous

SuM Energy and Climate Change IV					
Module Code 1289MEECC4	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Model UNFCCC - Climate Change Strategy		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Economics of climate change • Resource economics • Fundamentals of energy economics • Environmental economics • Economics and politics of international climate change agreements 				
3	Learning Objectives Students... ... analyse current questions and challenges in the area of energy economics and climate policy. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... communicate continuously and purposefully in diverse teams. ... justify and defend (independently developed) positions or problem solutions. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture practice				
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				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science 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:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	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 Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development
9	Module Manager Univ.-Prof. Dr. Marc Oliver Bettzüge
10	Miscellaneous

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 - Marketing: Core Section Marketing Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management Master of Science Business Analytics & Econometrics: Specialisation Section Business Analytics & Econometrics Supplementary Section Business Analytics & Econometrics Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

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

SpM Empirical Methods and Data Analysis II					
Module Code 1314MSEMD2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Microeconometrics b) Machine Learning for Economists c) Topics in Econometrics and Statistics II		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 <ul style="list-style-type: none"> • Limited dependent variables • Evaluation of treatment effects • Duration analysis • Panel data and factor 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. ... 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: CM Econometrics or CM Applied Econometrics (Business Administration) or CM Advanced Econometrics				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the examination. One course is to be attended; the examination relates to the content of one course.				
8	Other Programmes that Use the Module Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Specialisation Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Business Analytics & Econometrics: Specialisation Section Business Analytics & Econometrics Supplementary Section Business Analytics & Econometrics</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Jörg Breitung</p>
10	<p>Miscellaneous</p>

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 				
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 - Marketing: <ul style="list-style-type: none"> Core Section Marketing Master of Science Economics: <ul style="list-style-type: none"> Specialisation Section Economics Supplementary Section Economics 				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economic Research: Specialisation Section Economic Research Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</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: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Core Section Finance</p> <p>Master of Science Business Analytics & Econometrics: Specialisation Section Business Analytics & Econometrics Supplementary Section Business Analytics & Econometrics</p> <p>Master of Science Business Administration - Accounting and Taxation: Core Section Accounting and Taxation</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Roman Liesenfeld</p>
10	<p>Miscellaneous</p>

SpM Empirical Methods and Data Analysis V					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1314MSEMD5	180h	6	English	every 2nd term - summer term	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. 				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

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: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Core Section Finance Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics Master of Science Business Administration - Accounting and Taxation: Core Section Accounting and Taxation 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Dr. Bastian Gribisch</p>
10	<p>Miscellaneous</p>

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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Peter Funk</p>
10	<p>Miscellaneous</p>

SpM Markets and Economic Policy II						
Module Code 1302MSMEP2		Workload 180h	ECTS Credits 6	Module Language English	Module Availability irregular	Duration 1 Term
1	Courses Money and Financial Markets			Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Empirical Evidence on monetary policy effects • Transaction frictions and money demand • Financial intermediation, banks, and liquidity • Monetary policy and banking • Financial contracts • Financial acceleration • Unconventional monetary policy and interbank markets 					
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of monetary theory, policy and financial markets. ... analyse current questions and challenges in the area of monetary theory, policy and financial markets. ... 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 Recommendation: CM Macroeconomics or CM Advanced Macroeconomics					
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology					

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Core Section Finance</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Andreas Schabert</p>
10	<p>Miscellaneous</p>

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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Erik Hornung</p>
10	<p>Miscellaneous</p>

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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Michael Krause, Ph.D.</p>
10	<p>Miscellaneous</p>

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 <p>Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics</p> <p>Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre</p> <p>Master of Science Geographie: Wahlpflichtfach Management & Social Sciences</p> <p>Master of Science Economics: Specialisation Section Economics Supplementary Section Economics</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p>				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Arts Politikwissenschaft: Supplementary Section Political Science
9	Module Manager Univ.-Prof. Dr. Erik Hornung
10	Miscellaneous

SpM Market Design and Behaviour I					
Module Code 1289MSMDB1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Information and Strategy		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content This module introduces students to the economics of information. It deals with strategic decisions in light of asymmetric information and also with the design of information systems. Possible topics include strategic communication, persuasion, reputation or social learning.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of information economics. ... assess and discuss findings and research results of specialized theories / methods. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... present scientific results in a way that is appropriate for the target audience.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Microeconomics or CM Microeconomics (Business Administration)				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science Mathematik: Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Christoph Schottmüller</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 Recommendation: basic knowledge of game theory and experimental economics					
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics					

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Informatik: Anwendungsfeld Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science
9	Module Manager Univ.-Prof. Dr. Axel Ockenfels
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	Module Content Core and current research in the field Economics of Innovation: <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 Empirical modelling and econometric methods: <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	Learning Objectives Students... ... understand advanced methods in the field Economics of Innovation. ... extend and use their knowledge of econometrics, economic theory, and data sources. ... assess and evaluate quantitative findings and research results. ... present and discuss scientific contributions, including their own contributions. ... are introduced to new research questions. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements 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				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Geographie: Wahlpflichtfach Management & Social Sciences</p> <p>Master of Science Economics: Specialisation Section Economics Supplementary Section Economics</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p>
9	<p>Module Manager Univ.-Prof. Dr.' Susanne Prantl</p>
10	<p>Miscellaneous See the relevant online systems for further information.</p>

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 Recommendation: Prior knowledge of game theory and an interest in formal microeconomic theory				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld
9	Module Manager Univ.-Prof. Dr. Patrick W. Schmitz
10	Miscellaneous

SpM Market Design and Behaviour V					
Module Code 1289MSMDB5	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Corporate Taxation		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Tax competition between jurisdictions • Digitisation and Tax Policy • Reform options for corporate taxation • Cash flow based taxation, border adjustments and trade policy • Carbon pricing and border adjustments • Corporate taxation and corporate finance 				
3	Learning Objectives Students... ... understand the implications of the digital transformation of the economy for tax policy. ... can analyse reform options for corporate taxation. ... develop a conceptual framework to think through the interdependencies of corporate taxation, trade policy and environmental policy. ... learn to communicate about policy relevant research to an academic audience. ... learn to communicate about policy relevant research to non-academic audience. ... engage in a discourse about reform options for policy design. ... analyse public policy taking account of ethical, ecological and social concerns. ... assess current tax policy debates and proposed solutions. ... use the techniques of empirical and theoretical research in applied public finance.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: CM Microeconomics or CM Microeconomics (Business Administration)				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Specialisation Section Economics Supplementary Section Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Mathematik: Economics</p> <p>Master of Science Wirtschaftsmathematik: Economics</p> <p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Felix Bierbrauer</p>
10	<p>Miscellaneous</p>

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 Economics: Supplementary Section Economics Master of Science Economic Research: Specialisation Section Economic Research Supplementary Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Alexander Westkamp				
10	Miscellaneous				

SpM Political Economy and Media Economics					
Module Code 1302MSPME1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Political Economics and Media Economics		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Aggregation of preferences and information on socially relevant issues • Models of political competition in democracies, e.g. on social issues, taxation and redistribution • Behavioural economic aspects of political competition • Interaction of media markets and politics 				
3	Learning Objectives Students... ... know classical and current research results in the field of Political Economics. ... understand formal models of political competition in democracies. ... explain empirical findings with the help of these models. ... discuss the current state of research and implications for society.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Knowledge of game theory, knowledge of consumer behaviour theory				
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: Supplementary Section Economics Master of Science Economic Research: Specialisation Section Economic Research Supplementary Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Johannes Münster				
10	Miscellaneous				

SpM Frictions, Technology, and Inequality					
Module Code 1302MSFT11	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Technical Change, Labour, and Inequality		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Balanced and imbalanced growth and the dynamics of inequality in standard models with capital, skilled labour, and unskilled labour • Directed technical change, balanced growth and persistent inequality • Automation in models with directed technical change: Causes and implications. Robots: Curse or Blessing? Robots and Taxes • Persistent inequality and the dynamics of skill acquisition and labour supply • Polarization in models with occupations and tasks. Assignment models • Technical change and labour market issues: Reallocation of employment, unemployment and labour market policy • Empirical analysis of the causes and consequences of technological change and earnings inequality • Episodes of fundamental technical change as quasi-experimental settings for causal inference 				
3	Learning Objectives Students... ... develop the analytical skills to apply theoretical models dealing with the issues of this specialisation. ... master advanced methods to explain empirical facts and relevant social developments (e.g. automation) and to reflect policy measure. ... discuss distributional aspects of technological change, market incompleteness, and externalities. ... communicate and apply the appropriate methods for the economic and econometric analysis of issues in this specialisation. ... discuss and evaluate empirical results and econometric methods for hypothesis testing and causal inference.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommended: CM Advanced Macroeconomics I, CM Advanced Econometrics I; CM Advanced Macroeconomics II can be attended simultaneously				
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: Supplementary Section Economics Master of Science Economic Research: Specialisation Section Economic Research Supplementary Section Economic Research				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

9	Module Manager Univ.-Prof. Dr. Peter Funk Univ.-Prof. Dr. Erik Hornung Univ.-Prof. Michael Krause, Ph.D.
10	Miscellaneous

SpM Advanced Public Economics					
Module Code 1302MSAPE1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Advanced Public Economics		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Optimal income taxation • Optimum excise duties • Optimal combination of direct and indirect taxes • Taxation of capital income • Corporate taxation • Political economy of redistributive taxes • Sufficient statistics approaches • Perturbation method • Mechanism design 				
3	Learning Objectives Students... ... analyse tax and expenditure policy. ... discuss conflicts between efficiency and distribution targets. ... apply methods for the formal analysis of optimal tax systems. ... apply methods for the formal analysis of tax reforms.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: basic knowledge of differential calculus, optimisation problems with constraints, knowledge of consumer theory, knowledge of game theory				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Economics Master of Science Economic Research: Specialisation Section Economic Research Supplementary Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Felix Bierbrauer				
10	Miscellaneous				

SpM Advanced Behavioural Economics					
Module Code 1289MSABE1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Behavioural Economics		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content Departing from a general treatment effects framework, this module focuses on econometric methods that are of particular use to behavioural economists. Examples are sampling and power analysis, treatment effects with and without randomisation, discrete choice, mediation analysis, treatment effect decompositions as well as structural behavioural methods.				
3	Learning Objectives Students... ... understand what statistical/econometric considerations to take into account when generating their own data in a lab or field experiment. ... know how to choose appropriate estimators to tackle behavioural economic questions. ... know how to evaluate societally relevant policies (e.g. social or gender policies) from a behavioural economic perspective. ... know how to read/judge empirical papers in behavioural economics.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Core Module Advanced Microeconomics I				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Economics Master of Science Economic Research: Specialisation Section Economic Research Supplementary Section Economic Research				
9	Module Manager Univ.-Prof. Dr. Pia Pinger				
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 Imperfect Information in Health Care 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... ... 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 Master of Science Gesundheitsökonomie: Core Section Health Economics Master of Science Economics: Supplementary Section Economics				
9	Module Manager Univ.-Prof. Dr. Christoph Schottmüller				
10	Miscellaneous				

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 Economics: Specialisation Section Economics Master of Science Mathematik: Economics Master of Science Wirtschaftsmathematik: Economics Master of Science Informatik: Anwendungsfeld Master of Science Economics: Supplementary Section Economics				
9	Module Manager Univ.-Prof. Dr. Jörg Breitung				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

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 Economics: Specialisation Section Economics Master of Science Economic Research: Core Section Economic Research Master of Science Economics: Supplementary Section Economics					
9	Module Manager Univ.-Prof. Dr. Andreas Schabert					
10	Miscellaneous					

AM Selected Methods in Economics					
Module Code 1289MAEXM1	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 Master of Science Economics: Specialisation Section Economics Master of Science Economic Research: Core Section Economic Research Master of Science Economics: Supplementary Section Economics				
9	Module Manager Prof. Christopher Roth				
10	Miscellaneous				

Studies Abroad in Economics I						
Module Code 1014MSSAE1		Workload 180h	ECTS Credits 6	Module Language selected language	Module Availability every term	Duration 1 Term
1	Courses			Contact Hours	Self-Studies	Course Language
2	Module Content depending on course choice					
3	Learning Objectives Students... ... acquire knowledge and skills depending on course choice.					
4	Teaching and Learning Methods depending on course choice					
5	Module Entry Requirements depending on course choice					
6	Mode of End-Of-Module Examination TR - depending on course selection					
7	Prerequisites for Awarding of Credit Points depending on course choice					
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Economics					
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 in Economics II					
Module Code 1014MSSAE2	Workload 180h	ECTS Credits 6	Module Language selected language	Module Availability every term	Duration 1 Term
1	Courses		Contact Hours	Self-Studies	Course Language
2	Module Content depending on course choice				
3	Learning Objectives Students... ... acquire knowledge and skills depending on course choice.				
4	Teaching and Learning Methods depending on course choice				
5	Module Entry Requirements depending on course choice				
6	Mode of End-Of-Module Examination TR - depending on course selection				
7	Prerequisites for Awarding of Credit Points depending on course choice				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Economics				
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 in Economics III						
Module Code 1014MSSAE3		Workload 180h	ECTS Credits 6	Module Language selected language	Module Availability every term	Duration 1 Term
1	Courses			Contact Hours	Self-Studies	Course Language
2	Module Content depending on course choice					
3	Learning Objectives Students... ... acquire knowledge and skills depending on course choice.					
4	Teaching and Learning Methods depending on course choice					
5	Module Entry Requirements depending on course choice					
6	Mode of End-Of-Module Examination TR - depending on course selection					
7	Prerequisites for Awarding of Credit Points depending on course choice					
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Economics					
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.					

4 Supplementary Section Management & Social Sciences

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 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				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<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	<p>Module Manager Univ.-Prof. Dr. Michael Overesch</p>
10	<p>Miscellaneous</p>

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... ... 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 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 Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Gesundheitsökonomie: Supplementary Section Health Economics				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<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 Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics</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	<p>Module Manager Univ.-Prof. Dr. Carsten Homburg</p>
10	<p>Miscellaneous This course ends in the middle of the semester (1. term). The exam is offered at the end of the course.</p>

SpM Accounting I					
Module Code 1016MSACC1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Corporate Valuation		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Occasions, purposes and dogma history of corporate valuation • Principles of equivalence • Forecasting rules and instruments • Individual risk equivalence approach in business valuation • Capital-market oriented methods of measurement 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of corporate valuation. ... analyse current questions and challenges in the area of corporate valuation. ... gain competence in distinguishing different occasions, purposes and underlying concepts of corporate valuation. ... apply basic principles of investment theory in the context of corporate valuation. ... produce cash-flow-forecasts. ... acquire expertise to context-specifically distinguish and apply different variants of the DCF-method and further modern valuation approaches.				
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				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<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	<p>Module Manager N. N.</p>
10	<p>Miscellaneous The examination is offered in every term.</p>

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 Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Business Administration - Accounting and Taxation: Specialisation Section Accounting and Taxation				
9	Module Manager Univ.-Prof. Dr. Michael Overesch				
10	Miscellaneous				

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 - 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 Economics: Supplementary Section Management & Social Sciences Master of Science Gesundheitsökonomie: Supplementary Section Health Economics Master of Science Mathematik:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Economics Sciences Master of Science Wirtschaftsmathematik: Economics Sciences Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics Master of Science Business Administration - Accounting and Taxation: Specialisation Section Accounting and Taxation</p>
9	<p>Module Manager Univ.-Prof. Dr. Carsten Homburg</p>
10	<p>Miscellaneous This course starts in the middle of the semester (2. term). The exam is offered at the end of the course.</p>

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 Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Business Administration - Accounting and Taxation: Specialisation Section Accounting and Taxation				
9	Module Manager Prof. Dr. Maximilian A. Müller				
10	Miscellaneous The examination is offered in every term.				

CM Data Analytics I					
Module Code 1314MBSTC1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Statistics for Data Analytics		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Probability theory: Probability distributions, (conditional) density functions • Linear (multiple) regression, conditional expectation function • Assumptions, model selection, hypotheses test • Maximum Likelihood • Time Series 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the field of statistics. ... analyse current questions and challenges in the field of statistics. ... assess and discuss findings and research results of specialized theories / methods. ... act responsibly considering ecological, social and ethical criteria. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Combined examination: WT (60), PRES				
7	Prerequisites for Awarding of Credit Points Passing the module examination.				
8	Other Programmes that Use the Module Master of Science Business Analytics & Econometrics: Core Section Business Analytics & Econometrics Master of Science Economics: Supplementary Section Management & Social Sciences Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science International Management: Supplementary Section International Management Master of Science Economic Research: Supplementary Section Economic Research Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager</p> <p>Univ.-Prof. Dr. Markus Weinmann</p>
10	<p>Miscellaneous</p> <p>Literature: Wooldridge, "Introductory Econometrics" (chapter 1-9)</p>

CM Data Analytics II					
Module Code 1277MBPDA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Programming for Data Analytics		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction to the statistical software R, including statistical modelling in R • Use of R for data analysis and presentation • Introduction to programming in R and the design of user-defined statistical diagrams 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the field of programming and data analytics. ... analyse current questions and challenges in the field of programming and data analytics. ... assess and discuss findings and research results of specialized theories / methods. ... act responsibly considering ecological, social and ethical criteria. ... 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.				
8	Other Programmes that Use the Module <p>Master of Science Business Analytics & Econometrics: Core Section Business Analytics & Econometrics</p> <p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</p> <p>Master of Science Business Administration - Finance:</p>				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	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 Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development
9	Module Manager Univ.-Prof. Dr. Markus Weinmann
10	Miscellaneous Literature: Wickham, "R for Data Science"

CM Data Analytics III					
Module Code 1277MBMLA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Machine Learning and Artificial Intelligence		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Basics of the methods of Machine Learning and Artificial Intelligence (AI) • Basics of both supervised and unsupervised methods (e.g. decision trees, random forests, boosting, support vector machines, neural networks, deep and opponent learning, ensemble learning, principal component analysis, factor analysis and diverse learning or multidimensional scaling) • Translation of business problems into machine learning use cases; feasibility and impact • Responsible implementation of machine learning projects in compliance with ethical standards 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the field of machine learning and AI. ... analyse current questions and challenges in the field of machine learning and AI. ... assess and discuss findings and research results of specialized theories / methods. ... act responsibly considering ecological, social and ethical criteria. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture practice				
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.				
8	Other Programmes that Use the Module Master of Science Business Analytics & Econometrics: Core Section Business Analytics & Econometrics Master of Science Economics: Supplementary Section Management & Social Sciences Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science International Management: Supplementary Section International Management Master of Science Economic Research: Supplementary Section Economic Research Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Markus Weinmann</p>
10	<p>Miscellaneous Literature: James, Witten, Hastie, Tibshirani, "Intorduction to statistical learning"</p>

CM Data Analytics IV					
Module Code 1314MBAST1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Advanced Statistics for Data Analysis		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Potential Outcomes and Treatment Effects • Randomized Experiments • Matching Estimators • Regression Discontinuity • Instrumental Variables • Difference-in-Differences Estimation 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the field of advanced statistics. ... analyse current questions and challenges in the field of advanced statistics. ... assess and discuss findings and research results of specialized theories / methods. ... act responsibly considering ecological, social and ethical criteria. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture practice				
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.				
8	Other Programmes that Use the Module Master of Science Business Analytics & Econometrics: Core Section Business Analytics & Econometrics Master of Science Economics: Supplementary Section Management & Social Sciences Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science International Management: Supplementary Section International Management Master of Science Economic Research: Supplementary Section Economic Research Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	Module Manager Univ.-Prof. Dr. Markus Weinmann
10	Miscellaneous Literature: Angrist and Pischke, "Mostly Harmless Econometrics"

CM Data Analytics V					
Module Code 1277MBDMA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Data Management and Data Visualization		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Fundamentals of data storage, data cleansing and retrieval; data use and data quality for data analysis • Fundamentals of metadata; methods of data integration; data models and software architectures for the integration of different data types • Data management methods and practices (e.g. relational databases, SQL, NoSQL databases, data manipulation, access to data sources, Web APIs, scraping/crawling and parsing of text data) • Basics of data visualization (e.g. cognition, design principles for diagrams and graphics, visualization of different data types) • Methods and techniques of data visualization (e.g. tableau, R, dashboards, digital presentations) 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the field of programming and data analytics. ... analyse current questions and challenges in the field of programming and data analytics. ... assess and discuss findings and research results of specialized theories / methods. ... act responsibly considering ecological, social and ethical criteria. ... develop work processes for real problems and challenges.				
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 Analytics & Econometrics: Core Section Business Analytics & Econometrics Master of Science Economics: Supplementary Section Management & Social Sciences Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science International Management: Supplementary Section International Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Markus Weinmann</p>
10	<p>Miscellaneous</p>

SpM Finance I					
Module Code 1259MSFIN1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Capital Market Theory		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Investment decisions given uncertainty • Portfolio theory • Asset pricing models • Analysis and valuation of forwards, futures, and options 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of capital market theory. ... analyse current questions and challenges in the area of capital market theory. ... assess and discuss findings and research results of specialized theories / methods. ... discuss scientific topics in a professional manner and appropriate to the situation.				
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 Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Mathematik: Economics Sciences Master of Science Wirtschaftsmathematik:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Economics Sciences Master of Science International Management: Supplementary Section International Management Master of Science Business Administration - Finance: Specialisation Section Finance Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. Alexander Kempf Dr. Alexander Pütz</p>
10	<p>Miscellaneous</p>

SpM Finance II					
Module Code 1259MSFIN2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Corporate Finance Theory		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Financial Planning • Cost of Capital • Firm Valuation • Corporate Restructuring 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of corporate finance. ... analyse current questions and challenges in the area of corporate finance. ... assess and discuss findings and research results of specialized theories / methods. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists.				
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 Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Mathematik: Economics Sciences				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Wirtschaftsmathematik: Economics Sciences</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Science Business Administration - Finance: Specialisation Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	Module Manager Univ.-Prof. Dr. Dieter Hess
10	Miscellaneous

SpM Finance III					
Module Code 1259MSFIN3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Insurance Economics		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <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... ... understand advanced, specialized theories / methods in the area of finance or insurance. ... analyse current questions and challenges in the area of finance or insurance. ... 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 Information Systems: Supplementary Section Information Systems Master of Science Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Gesundheitsökonomie: Supplementary Section Health Economics</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 Science Business Administration - Finance: Specialisation Section Finance</p> <p>Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. Heinrich R. Schradin</p>
10	<p>Miscellaneous</p>

SpM Brand Management					
Module Code 1266MSBMG1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Brand Management		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content The module covers key questions and challenges of building and managing brands. It consists of both conceptual and applied elements, including presentations by students, case studies, discussions and guest speakers from industry. Students are expected to engage in their own reading of the literature in addition to attending lectures and participating in exercises. Furthermore, they are expected to organise their learning processes independently.				
3	Learning Objectives Students... ... understand advanced, specialized marketing theories, concepts, and methods in the domain of brand management. ... assess and discuss findings and research results of specialized marketing theories, concepts, and methods in the domain of brand management. ... act responsibly considering ecological, social and ethical criteria.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Basic knowledge of marketing and multivariate methods (e.g., regression analysis, analysis of variance)				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Business Administration - Marketing: Specialisation Section Marketing Master of Science Geographie: Wahlpflichtfach Management & Social Sciences				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie</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>9</p>	<p>Module Manager Univ.-Prof. Dr. ' Franziska Völckner</p>
<p>10</p>	<p>Miscellaneous This module may consist of at least one course that takes place either until the middle of the semester (1. term) or from the middle of the semester onwards (2. term). You can find this information in the KLIPS entry of the corresponding course. The corresponding examinations of courses that take place in the 1. term are often offered in the middle of the semester.</p>

SpM Customer Management					
Module Code 1266MSCMG1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Customer Management		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content The module covers key questions and challenges of customer management (CRM). It consists of both conceptual and applied elements, including presentations by students, case studies, discussions and guest speakers from industry. Students are expected to engage in their own reading of the literature in addition to attending lectures and participating in exercises. Furthermore, they are expected to organize their learning processes independently.				
3	Learning Objectives Students... ... understand advanced, specialized marketing theories, concepts, and methods in the domain of customer management. ... analyse current questions and challenges in the area of customer management. ... assess and discuss findings and research results of specialized theories / methods. ... act responsibly considering ecological, social and ethical criteria.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Basic knowledge in marketing				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Business Administration - Marketing: Specialisation Section Marketing Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie Master of Science Mathematik: Economics Sciences Master of Science Wirtschaftsmathematik: Economics Sciences Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. Werner Reinartz</p>
10	<p>Miscellaneous This module may consist of at least one course that takes place either until the middle of the semester (1. term) or from the middle of the semester onwards (2. term). You can find this information in the KLIPS entry of the corresponding course. The corresponding examinations of courses that take place in the 1. term are often offered in the middle of the semester.</p>

SpM Marketing Performance Management					
Module Code 1266MSMPF1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Marketing Performance Management		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content The module deals with central questions of marketing performance management and includes conceptual and applied elements, including presentations by guest speakers and discussions from the world of marketing. Students are required to organise their own learning and working processes independently and self-responsibly in addition to attending lectures and participating in exercises. In addition, it is expected that students read the related literature.				
3	Learning Objectives Students... ... analyse current questions and challenges that arise when quantifying and evaluating marketing activities in financial terms. ... assess and discuss findings and research results of specialised marketing theories, concepts, and methods in the domain of marketing performance management. ... act responsibly considering ecological, social and ethical criteria.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: basic knowledge of marketing and multivariate methods				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Business Administration - Marketing: Specialisation Section Marketing Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section Management & Social Sciences</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie</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 Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. Marc Fischer</p>
10	<p>Miscellaneous This module may consist of at least one course that takes place either until the middle of the semester (1. term) or from the middle of the semester onwards (2. term). You can find this information in the KLIPS entry of the corresponding course. The corresponding examinations of courses that take place in the 1. term are often offered in the middle of the semester.</p>

SpM Digital Strategy and Marketing					
Module Code 1266MSDSM1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Digital Strategy and Marketing		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content The emergence of the internet, mobile devices, the ability to automate tasks and the abundance of data is dramatically changing society and businesses. This module exposes students to a wide range of issues and questions related to this "digital" transformation. The module consists of both conceptual as well as applied tools and frameworks to understand business models and the organization of industries. The module aims at covering both the supply side (infrastructure, operations, etc.) as well as the demand side (customer, marketing, etc.). Students are expected to share their own knowledge and to use ongoing events (e.g., new companies, current news, IPOs, etc.) to apply the concepts they learn.				
3	Learning Objectives Students... ... understand economic and strategic frameworks related to industrial organization, business models, and tactical decisions. ... analyse current questions and challenges related to the ongoing changes in business and society as a result of digital technologies. ... assess and discuss findings and research results of specialised theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... 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 marketing and economics				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Anwendungsfeld Master of Science Business Administration - Marketing: Specialisation Section Marketing Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie Master of Science Mathematik: Economics Sciences Master of Science Wirtschaftsmathematik: Economics Sciences Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
<p>9</p>	<p>Module Manager Univ.-Prof. Dr. Hernán Bruno</p>
<p>10</p>	<p>Miscellaneous This module may consist of at least one course that takes place either until the middle of the semester (1. term) or from the middle of the semester onwards (2. term). You can find this information in the KLIPS entry of the corresponding course. The corresponding examinations of courses that take place in the 1. term are often offered in the middle of the semester.</p>

CM Supply Chain Analytics I					
Module Code 1271MBSCA1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Predictive Analytics		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction Data Analysis/Data Science • Introduction Programming with Python • Methods of Demand Forecasting 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of data science. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... communicate continuously and purposefully in diverse teams. ... solve team-internal conflicts and target divergences independently. ... justify and defend (independently developed) positions or problem solutions. ... present scientific results in a way that is appropriate for the target audience. ... 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 none				
6	Mode of End-Of-Module Examination Written test: PO				
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 Section Supply Chain Management Master of Science Business Administration - Marketing: <ul style="list-style-type: none"> Supplementary Section Marketing 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 - Accounting and Taxation: <ul style="list-style-type: none"> Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: <ul style="list-style-type: none"> Supplementary Section Corporate Development Master of Science Informatik: <ul style="list-style-type: none"> Anwendungsfeld Master of Science Geographie: 				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Wahlpflichtfach Management & Social Sciences</p> <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>
9	<p>Module Manager</p> <p>Prof. Dr. Nicolas Fugger Area Supply Chain Management</p>
10	<p>Miscellaneous</p>

CM Supply Chain Analytics II					
Module Code 1271MBSCA2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Prescriptive Analytics		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Introduction Analytical Modelling • Introduction Optimisation • Solving Optimisation Case Studies in Python 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of data science / optimisation. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... communicate continuously and purposefully in diverse teams. ... solve team-internal conflicts and target divergences independently. ... justify and defend (independently developed) positions or problem solutions. ... present scientific results in a way that is appropriate for the target audience. ... 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 none				
6	Mode of End-Of-Module Examination Written test: PO				
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 Section Supply Chain Management Master of Science Business Administration - Marketing: <ul style="list-style-type: none"> Supplementary Section Marketing 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 - Accounting and Taxation: <ul style="list-style-type: none"> Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: <ul style="list-style-type: none"> Supplementary Section Corporate Development Master of Science Informatik: <ul style="list-style-type: none"> Anwendungsfeld Master of Science Geographie: 				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Wahlpflichtfach Management & Social Sciences</p> <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 Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager</p> <p>Prof. Dr. Andreas Fügener</p> <p>Area Supply Chain Management</p>
10	<p>Miscellaneous</p>

SpM Supply Chain Operations					
Module Code 1271MSSOP1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Supply Chain Operations		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Inventory Management • Contract Design • Capacity and Revenue Management • Supply Chain Management 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods to control supply chains. ... analyse current questions and challenges in supply chain management. ... communicate continuously and purposefully in diverse teams. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... present scientific results in a way that is appropriate for the target audience. ... act responsibly considering ecological, social and ethical criteria. ... use techniques of scientific work and good scientific practice. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: The CM Supply Chain Analytics I should have been completed.				
6	Mode of End-Of-Module Examination Written test: PO				
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: Specialisation 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Geographie: 				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Mathematik: Economics Sciences Master of Science Wirtschaftsmathematik: Economics Sciences Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Area Supply Chain Management Univ.-Prof. Dr. Ulrich W. Thonemann</p>
10	<p>Miscellaneous</p>

SpM Supply Chain Strategy					
Module Code 1271MSSSY1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Supply Chain Strategy		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Strategy Formation • Product development • Process Design • Process Simulation • Applications 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods for formulation and implementation of strategies in the context of supply chain and operations management. ... analyse current questions and challenges in supply chains. ... assess and discuss findings and research results of specialized theories / methods. ... communicate continuously and purposefully in diverse teams. ... justify and defend (independently developed) positions or problem solutions. ... 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 none				
6	Mode of End-Of-Module Examination Written test: PO				
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: Specialisation 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Geographie: Wahlpflichtfach Management & Social Sciences</p> <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 Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. Fabian Sting Area Supply Chain Management</p>
10	<p>Miscellaneous</p>

SpM Supply Chain Planning					
Module Code 1271MSSPL1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses a) Project Management b) Production Management		Contact Hours a) 45h b) 45h	Self-Studies a) 135h b) 135h	Course Language a) English b) German
2	Module Content Selected topics in Supply Chain Management: <ul style="list-style-type: none"> a) Project Management: <ul style="list-style-type: none"> • Project Definition and Scoping • Project Risk Analysis and Risk Management • Resource Allocation and Budgeting • Project Scheduling • Project Monitoring • Project Portfolio Management • Managing Human Behaviour in Projects b) Production Management: <ul style="list-style-type: none"> • Supply Chain Design • Demand Planning • Program Planning • Lotsizing and Scheduling • Inventory Management 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in Supply Chain Planning. ... analyse current questions and challenges in Supply Chain Planning. ... assess and discuss findings and research results of specialized theories / methods. ... communicate continuously and purposefully in diverse teams. ... justify and defend (independently developed) positions or problem solutions. ... 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: The CM Supply Chain Analytics I and II should have been completed.				
6	Mode of End-Of-Module Examination Written test: PO				
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.				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

8	<p>Other Programmes that Use the Module</p> <p>Master of Science Business Administration - Supply Chain Management: Specialisation Section Supply Chain Management</p> <p>Master of Science Business Administration - Marketing: Supplementary Section Marketing</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 - Accounting and Taxation: Supplementary Section Accounting and Taxation</p> <p>Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development</p> <p>Master of Science Informatik: Anwendungsfeld</p> <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>
9	<p>Module Manager</p> <p>Area Supply Chain Management</p>
10	<p>Miscellaneous</p>

SpM Selected Issues in Behavioural Supply Chain Management					
Module Code 1271MSIBS1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Behavioural Supply Chain Management		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Behavioural Decision Making • Behavioural Management • Decision Heuristics 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in Behavioural Operations Management. ... assess and discuss findings and research results of specialized theories / methods. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... prepare independently a research design for a question. ... communicate continuously and purposefully in diverse teams. ... justify and defend (independently developed) positions or problem solutions. ... 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 lecture practice				
5	Module Entry Requirements Recommendation: The basic modules Supply Chain Analytics I and II should have been completed.				
6	Mode of End-Of-Module Examination Written test: PO				
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: Specialisation 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Informatik: Anwendungsfeld Master of Science Economics:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>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>
9	<p>Module Manager</p> <p>Prof. Dr. Nicolas Fugger</p> <p>Area Supply Chain Management</p>
10	<p>Miscellaneous</p>

CM Information Systems I					
Module Code 1277MBISY1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Information Systems and Environmental Sustainability		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Forms and types of sustainability • Key sustainability indicators • Green IT • Green IS • Transformation potential of information systems for organizational sustainability • Sustainable development of information systems • Sustainable use of information systems • Sustainable management of information systems 				
3	Learning Objectives Students... ... understand methods and theories in the area of sustainable development, use and management of information systems. ... analyse current questions and challenges in the area of organisational sustainability. ... justify and defend (independently developed) positions or problem solutions. ... 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 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 Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Management & Social Sciences Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie Master of Science International Management:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Science Information Systems: Core Section Information Systems
9	Module Manager N. N.
10	Miscellaneous There may be case studies and exercises to be prepared in groups and presented by the students in class. The solutions presented will be analysed and discussed. Students will be advised of compulsory reading on a term-by-term basis.

CM Information Systems II					
Module Code 1277MBISY2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Analytics and Applications		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Types of decision support and business intelligence • Data Analysis, business analytics • Simulation and optimisation • Data warehouse and business intelligence • Data-/ Text-/ Web-Mining • Predictive modelling, machine learning • Clustering • Making sense of data • Evaluation of modelling results • Using data and methods to create value 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of Data Science and Machine Learning. ... solve team-internal conflicts and target divergences independently. ... justify and defend (independently developed) positions or problem solutions. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture practice				
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				
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 Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Management & Social Sciences Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Science Information Systems: Core Section Information Systems
9	Module Manager Univ.-Prof. Dr. Wolf Ketter
10	Miscellaneous The lecture is an inverted classroom. Please read the syllabus before joining this class. The participation in the first lecture is strongly recommended.

CM Digital Transformation					
Module Code 1277MBDTF1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Digital Transformation and Innovation		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Select media, Information and communication Technologies, their application and limitations • Economic and managerial properties of digital goods and services • Different Areas of application of digital media, information and telecommunication Technologies, such as, cloud computing, digital business models, big data and business intelligence, (Enterprise) social media • Management of digital transformation and its prerequisites from an organizational perspective • Concepts for the analysis and innovation of business models 				
3	Learning Objectives Students... ... analyse current questions and challenges of digital transformation and business model innovation. ... 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 (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 Business Administration - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Management & Social Sciences Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Information Systems: Core Section Information Systems
9	Module Manager Univ.-Prof. Dr. Detlef Schoder
10	Miscellaneous Students will be advised of compulsory reading on a term-by-term basis.

CM Comparative Political Institutions					
Module Code 1335MBCPI1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Comparative Political Institutions		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Institutionalism and neoinstitutionalism • Veto player and veto point theory • Theory of structure-induced equilibria • Problem areas: aggregation of individual preferences, coordination of individual decisions, collective action, delegation relationships and risk of "agency loss" • Time consistency and commitments • Endogeneity of institutions and institutional reform • Empirical findings of conventional international comparative studies 				
3	Learning Objectives Students... ... understand advanced, specialised theories / methods. ... assess and discuss findings and research results of specialised 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				
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 Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>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 Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Arts Politikwissenschaft: Core Section Political Science</p>
9	<p>Module Manager Univ.-Prof. Dr. André Kaiser</p>
10	<p>Miscellaneous</p>

CM Comparative Political Economy					
Module Code 1335MBCPE1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Comparative Political Economy		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Approaches used in political economy and comparative research into government activity • International comparison of the political economy of markets • International comparison of political and institutional change in various areas • Specific research methods in comparative political economy 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialised theories / methods. ... assess and discuss findings and research results of specialised 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				
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 <p>Master of Science Geographie: Wahlpflichtfach Management & Social Sciences</p> <p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</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:</p>				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Supplementary Section Information Systems Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Arts Politikwissenschaft: Core Section Political Science
9	Module Manager Univ.-Prof. Dr.' Christine Trampusch
10	Miscellaneous

CM Democratic Theory and Practice					
Module Code 1335MBDTP1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Democratic Theory and Practice		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Survey of classical and contemporary democratic theory • Conceptualizing, justifying and critiquing the democratic ideal • Assessing real-world challenges to the democratic ideal, e.g. inequality, multiculturalism, globalization • Evaluating and comparing the performance of democracies and non-democracies 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods. ... 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				
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 <p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</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>				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Arts Politikwissenschaft: Core Section Political Science Master of Science Geographie: Wahlpflichtfach Management & Social Sciences
9	Module Manager Jun.-Prof.' Chitrlekha Basu, Ph.D
10	Miscellaneous

CM International Relations					
Module Code 1335MBIRE1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses International Relations		Contact Hours 30h	Self-Studies 150h	Course Language German and English
2	Module Content <ul style="list-style-type: none"> • International Politics • Foreign Policy • Transnational Politics • Peace and conflict studies • Security Policy • Information and Communication • Multi-level analysis 				
3	Learning Objectives Students... ... understand advanced, specialised theories / methods. ... assess and discuss findings and research results of specialised 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 seminar				
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 Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management: Supplementary Section International Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<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 Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Arts Politikwissenschaft: Core Section Political Science</p>
9	<p>Module Manager Univ.-Prof. Dr. Thomas Jäger</p>
10	<p>Miscellaneous</p>

CM European Politics					
Module Code 1335MBCED1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses European Politics		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Analytical models of European politics • Functioning of democracy in European nation states and in the European Union • Parties and Party Competition in Europe • Comparative Analysis of Political Institutions in Europe • Current Developments in Research on European Politics 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... 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				
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 Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research 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 Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Arts Politikwissenschaft: Core Section Political Science
9	Module Manager Univ.-Prof. Dr. Sven-Oliver Proksch
10	Miscellaneous

SpM Special Topics Political Science I					
Module Code 1335MSPIR1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Seminar Political Institutions and Representation		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Classic and modern approaches in comparative political science and the analysis of political institutions • Institutionalism • Democratic regimes • Classic and modern approaches in political theory and democratic theory • Representation in political systems • Elections and the electorate 				
3	Learning Objectives Students... ... analyse current questions and challenges. ... collect, systematize and synthesize independently literature on selected scientific questions. ... solve team-internal conflicts and target divergences independently. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... evaluate their own action processes in self- and external reflection and identify development potentials.				
4	Teaching and Learning Methods seminar				
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 Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Science International Management: Supplementary Section International Management				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<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 Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Arts Politikwissenschaft: Specialisation Section Political Science</p>
9	<p>Module Manager Fachbereich Politikwissenschaft</p>
10	<p>Miscellaneous</p>

SpM Special Topics Political Science II					
Module Code 1335MSIRP1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Seminar Comparative Political Economy and International Relations		Contact Hours 30h	Self-Studies 150h	Course Language German and English
2	Module Content <ul style="list-style-type: none"> • Comparative political economy, comparative analysis of public policy • Varieties of Capitalism and classic and modern studies of capitalism • Detailed knowledge of the political economies of certain countries • Classic and modern studies in International Relations • International and foreign policy, transnational politics • Peace and conflict studies, international regulatory policy, security policy 				
3	Learning Objectives Students... ... analyse current questions and challenges. ... collect, systematize and synthesize independently literature on selected scientific questions. ... solve team-internal conflicts and target divergences independently. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... evaluate their own action processes in self- and external reflection and identify development potentials.				
4	Teaching and Learning Methods seminar				
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 Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Supplementary Section Information Systems Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Arts Politikwissenschaft: Specialisation Section Political Science
9	Module Manager Fachbereich Politikwissenschaft
10	Miscellaneous

CM Sociology II: Sociological Theory					
Module Code 1320MBSOC2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Sociological Theory		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Diversity of sociological theories • How sociological theories can guide and be tested in social research • Social mechanisms and scope conditions • Microfoundations (e.g., theories of action, practice, values, attitudes, and cognition) • Meso-level theories (e.g., social networks, strategic interaction) • Macrosociological theories (e.g., modernisation, institutionalism, social differentiation) 				
3	Learning Objectives Students... ... understand advanced, specialised theories in sociology. ... analyse current questions and challenges of theory development in sociology. ... assess and discuss findings and research results of specialised theories. ... justify and defend (independently developed) positions or problem solutions. ... critically evaluate current social developments and develop alternative solutions.				
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				
8	Other Programmes that Use the Module Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Core Section Sociology: Social Research Master of Science Sociology: Social and Economic Psychology: Core Section Sociology: Social and Economic Psychology Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems Master of Arts Regionalstudien China - Sozialwissenschaften:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Ergänzungsbereich Sozialwissenschaften Master of Arts Politikwissenschaft: Supplementary Section Political Science
9	Module Manager Univ.-Prof. Dr. Clemens Kroneberg
10	Miscellaneous A written test (60) is part of the portfolio

CM Sociology III: Contemporary Societies: Social Structure and Social Change					
Module Code 1320MBSOC3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Contemporary Societies: Social Structure and Social Change		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Socio-economic and socio-demographic inequalities in contemporary societies • Mechanisms driving changes in socio-economic and socio-demographic inequalities in contemporary societies • Consequences of social, economic, and demographic change in contemporary societies • Solutions for challenges resulting from social, economic, and demographic change in contemporary societies 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods of socio-economic/socio-demographic inequalities. ... analyse current questions and challenges of socio-economic/socio-demographic inequalities. ... 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				
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				
8	Other Programmes that Use the Module <p>Master of Science Geographie: Wahlpflichtfach Management & Social Sciences</p> <p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Science Sociology: Social Research: Core Section Sociology: Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Core Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Science Business Administration - Finance: Supplementary Section Finance</p> <p>Master of Science Information Systems: Supplementary Section Information Systems</p>				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften Master of Arts Politikwissenschaft: Supplementary Section Political Science
9	Module Manager Univ.-Prof. Dr. Karsten Hank
10	Miscellaneous A written test (60) is part of the portfolio

SuM Economic Geography I					
Module Code 1343MEEGY1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Start-ups and Innovation in the European Union		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Spatial patterns of economic activities in the European Union • Geographical and interdisciplinary approaches to entrepreneurship, innovation, creativity and territorial innovation systems • Empirical case studies from different EU regions 				
3	Learning Objectives Students... ... understand advanced, specialized theories of entrepreneurship and innovation research within the context of regional development. ... analyse current questions and challenges considering the role of knowledge intensive and creative industries for regional development in the European Union. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... justify and defend (independently developed) positions or problem solutions. ... critically evaluate spatial disparities of the European Union and formulate recommendations for policy makers based on their insights.				
4	Teaching and Learning Methods seminar				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. ' Martina Fuchs</p>
10	<p>Miscellaneous</p>

SuM Economic Geography II					
Module Code 1343MEEGY2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Digitalization, Smart Manufacturing and 'Smart' Regions		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Digitalization as opportunity and challenge for internationalization and spatial development • Geographical approaches to digital change in the areas of production and consumption • Smart Manufacturing • Smart regional development and 'Smart City'- strategies • Regional Innovation Systems • Digitalization of value chains: case studies • Digitalization and sustainable development: institutional arrangements and strategies of practitioners 				
3	Learning Objectives Students... ... understand advanced, specialized theories of technological change to digitalization processes in the areas of production, consumption and work. ... analyse characteristics and current questions and challenges of digital transformation. ... write an academic paper on a selected topic using literature from economic geography and achieve thereby their own scientific contribution. ... justify and defend (independently developed) positions or problem solutions. ... critically evaluate assess opportunities and challenges of digitalization for different actors (small and large firms, employees, final consumers) within different value chains.				
4	Teaching and Learning Methods seminar				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Economics: Supplementary Section Management & Social Sciences				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. Martina Fuchs</p>
10	<p>Miscellaneous</p>

SuM Economic Geography III					
Module Code 1343MEEGY3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Global South and Sustainable International Business: Ethics, Responsibility and Governance		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Sustainability as interdisciplinary theoretical concept and as strategic approach of companies • Theoretical approaches to regional development in the context of international production • Modes and ways of regional economic integration in the world economy • Empirical case studies of regions of the Global South • Strategies and governance for sustainable development 				
3	Learning Objectives Students... ... understand advanced, specialized theoretical approaches to sustainability, ethics, corporate responsibility and governance in the context of a globalized economy. ... assess and discuss analyse drivers and limitations of corporate social responsibility (CSR) and regional social responsibility (RSR) in global value chains. ... collect, systematize and synthesize independently literature from economic geography and related disciplines as well as secondary data. ... discuss the effects of foreign direct investment in countries of the Global South with regard to local resource pools and sustainable development. ... critically evaluate upgrading strategies in global value chains as drivers for growth and development.				
4	Teaching and Learning Methods seminar				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Economics: Supplementary Section Management & Social Sciences				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften</p> <p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. Martina Fuchs</p>
10	<p>Miscellaneous</p>

SuM Economic Geography IV					
Module Code 1343MEEGY4	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Methods in Regional Research		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Research methods in economic geography and regional studies • Selected geographical case study of a region or city, e.g. in North Rhine-Westphalia • Designing and conducting a research project in economic geography 				
3	Learning Objectives Students... ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... prepare independently a qualitative, quantitative or mixed-method research design to analyse current issues in economic geography. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... communicate continuously and purposefully in diverse teams. ... critically evaluate issues of positionality and ethics in geographical field work.				
4	Teaching and Learning Methods seminar				
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 Arts Regionalstudien Lateinamerika - Volkswirtschaftslehre: Ergänzungsbereich Economics Master of Arts Regionalstudien China - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Ergänzungsbereich Volkswirtschaftslehre Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Ergänzung Sozialwissenschaften				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Science International Management: Supplementary Section International Management</p> <p>Master of Arts Regionalstudien China - Sozialwissenschaften: Ergänzungsbereich Sozialwissenschaften</p> <p>Master of Arts Politikwissenschaft: Supplementary Section Political Science</p> <p>Master of Arts Regionalstudien China - Betriebswirtschaftslehre: Ergänzungsbereich Business Administration</p>
9	<p>Module Manager Univ.-Prof. Dr. ' Martina Fuchs</p>
10	<p>Miscellaneous</p>

SuM Introduction to Economic Psychology					
Module Code 1320MEIEP1	Workload 360h	ECTS Credits 12	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Introduction to Economic Psychology		Contact Hours 60h	Self-Studies 300h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Basic concepts in economic psychology • Economic psychology and its application in consumer markets, labour markets, and financial markets • Economic psychology and its application in macroeconomic contexts • Current developments in applied economic psychology 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods economic psychology. ... collect, systematize and synthesize independently literature on selected scientific questions. ... justify and defend (independently developed) positions or problem solutions. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Combined examination: WT (60), PRES				
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 Economics: Supplementary Section Management & Social Sciences Master of Science International Management: Supplementary Section International Management Master of Arts Politikwissenschaft: Supplementary Section Political Science				
9	Module Manager Univ.-Prof. Dr. Erik Hölzl				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

10	Miscellaneous
-----------	----------------------

SuM Media and Technology Management - Enterprises, Markets, and Strategies					
Module Code 1284MEEMS1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Media and Technology Management: Enterprises, Markets, and Strategies		Contact Hours 30h	Self-Studies 150h	Course Language German and English
2	Module Content <ul style="list-style-type: none"> • Overview of business models and characteristics of various media and telecommunications industries and markets in the digital age • Economic characteristics of digital products and services and resulting pricing strategies (economy of digital goods) • MTM infrastructures and their regulation and influence on MTM business models, companies and social welfare • Design options and decision strategies on digital and hybrid platforms and markets • Application of concepts of technology and innovation management, strategy development, transformation evaluation and entrepreneurship to selected media, IS and telecommunications companies, markets, platforms and innovations 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the area of Media and Technology Management. ... analyse current questions and challenges in the area of Media and Technology Management. ... assess and discuss findings and research results of specialized theories / methods.				
4	Teaching and Learning Methods lecture Colloquium				
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 Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie Master of Science Business Administration - Finance: Supplementary Section Finance Master of Science Information Systems: Supplementary Section Information Systems				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik
9	Module Manager Univ.-Prof. Dr. Claudia Loebbecke, M.B.A.
10	Miscellaneous

SuM Media and Technology Management - Selected Issues I					
Module Code 1284MEMTM1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Selected Media and Technology Issues		Contact Hours 30h	Self-Studies 150h	Course Language German and English
2	Module Content Varying topics				
3	Learning Objectives Students... ... analyse current questions and challenges in the area of Media and Technology Management. ... 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 seminar Colloquium				
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				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie 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: Ergänzungsbereich Wirtschaftspädagogik				
9	Module Manager Univ.-Prof. Dr.' Claudia Loebbecke, M.B.A.				
10	Miscellaneous				

SuM Media and Technology Management - Selected Issues II					
Module Code 1284MEMTM2	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability irregular	Duration 1 Term
1	Courses Selected Media and Technology Issues		Contact Hours 30h	Self-Studies 150h	Course Language German and English
2	Module Content Varying topics				
3	Learning Objectives Students... ... analyse current questions and challenges in the area of Media and Technology Management. ... 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. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods seminar Colloquium				
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				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie 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: Ergänzungsbereich Wirtschaftspädagogik				
9	Module Manager Univ.-Prof. Dr.' Claudia Loebbecke, M.B.A.				
10	Miscellaneous				

SuM Media and Technology Management - Research and Publications					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1284MEMRP1	180h	6	English	irregular	1 Term
1	Courses Media and Technology Management: Research and Publications		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content The focus of this event is on scientific work, research design and research methods in the field of media and technology management and information systems.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in the field of media and technology management. ... analyse current questions and challenges in the field of media and technology management. ... assess and discuss findings and research results of specialized theories / methods. ... collect, systematize and synthesize independently literature on selected scientific questions. ... prepare independently a research design for a question. ... justify and defend (independently developed) positions or problem solutions. ... present scientific results in a manner appropriate to the target audience. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommendation: At least parallel assignment of an MTM Master Module and interest to write the Master thesis in MTM.				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination.				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie 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: Ergänzungsbereich Wirtschaftspädagogik				
9	Module Manager Univ.-Prof. Dr.' Claudia Loebbecke, M.B.A.				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

10	Miscellaneous See www.mtm.uni-koeln.de
-----------	--

Studies Abroad I					
Module Code 1014MESAb1	Workload 180h	ECTS Credits 6	Module Language selected language	Module Availability every term	Duration 1 Term
1	Courses		Contact Hours	Self-Studies	Course Language
2	Module Content depends on course selection				
3	Learning Objectives Students... ... acquire knowledge and skills depending on their choice of course.				
4	Teaching and Learning Methods depending on course choice				
5	Module Entry Requirements depends on course selection				
6	Mode of End-Of-Module Examination TR - depending on course selection				
7	Prerequisites for Awarding of Credit Points depends on course selection				
8	Other Programmes that Use the Module Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Arts Politikwissenschaft: Supplementary Section Political Science Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development
9	Module Manager
10	<p>Miscellaneous</p> <p>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.</p>

Studies Abroad II					
Module Code 1014MESAb2	Workload 180h	ECTS Credits 6	Module Language selected language	Module Availability every term	Duration 1 Term
1	Courses		Contact Hours	Self-Studies	Course Language
2	Module Content depends on course selection				
3	Learning Objectives Students... ... acquire knowledge and skills depending on their choice of course.				
4	Teaching and Learning Methods depending on course choice				
5	Module Entry Requirements depends on course selection				
6	Mode of End-Of-Module Examination TR - depending on course selection				
7	Prerequisites for Awarding of Credit Points depends on course selection				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Supplementary Section Corporate Development Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology Master of Science Economic Research: Supplementary Section Economic Research Master of Science International Management: Supplementary Section International Management Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik Master of Arts Politikwissenschaft: Supplementary Section Political Science				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics
9	Module Manager
10	<p>Miscellaneous</p> <p>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.</p>

SpM Business Ethics					
Module Code 1253MSBET1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Managing Business Ethics in Markets and Organisations		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content This module introduces basic business ethics concepts and applies them to decision making of managers and employees. It draws on standard ethics theories, like teleology, deontology, virtue ethics and fairness concepts. Business decisions in organisations and markets are discussed and evaluated in the light of these foundations. Case studies are employed to illustrate and apply the theoretical concepts.				
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. ... solve team-internal conflicts and target divergences independently. ... justify and defend (independently developed) positions or problem solutions. ... evaluate their own action processes in self- and external reflection and identify development potentials. ... 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 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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Informatik: Anwendungsfeld Master of Science Geographie:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Wahlpflichtfach Management & Social Sciences</p> <p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Gesundheitsökonomie: Supplementary Section Health Economics</p> <p>Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie</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 - Corporate Development: Specialisation Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Bernd Irlenbusch</p>
10	<p>Miscellaneous This module can contain courses which takes place either until the middle of the semester (1. term) or from the middle of the semester (2. term). The required examinations are generally offered after the respective term.</p>

SpM Strategic Development					
Module Code 1253MSSDP1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Mergers and Acquisitions		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content Key issues of corporate development				
3	Learning Objectives Students... ... understand advanced, specialised theories / methods in the area of corporate development. ... analyse current questions and challenges in the area of corporate development. ... assess and discuss findings and research results of specialised 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. ... act responsibly considering ecological, social and ethical criteria.				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Informatik: Anwendungsfeld Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research Master of Science Sociology: Social and Economic Psychology:				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie</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 - Corporate Development: Specialisation Section Corporate Development</p>
9	Module Manager N.N.
10	Miscellaneous

SpM Strategic Human Resource Management					
Module Code 1253MSSHR1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Strategic Human Resource Management		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content The module teaches how Human Resource Management creates economic value and contributes to the implementation of corporate strategies.				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... communicate continuously and purposefully in diverse teams. ... solve team-internal conflicts and target divergences independently. ... justify and defend (independently developed) positions or problem solutions. ... act responsibly considering ecological, social and ethical criteria. ... develop work processes for real problems and challenges.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Combined examination: WT (60), PRES				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation Master of Science Informatik: Anwendungsfeld Master of Science Geographie: Wahlpflichtfach Management & Social Sciences Master of Science Economics: Supplementary Section Management & Social Sciences Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Gesundheitsökonomie: Supplementary Section Health Economics</p> <p>Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie</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 - Corporate Development: Specialisation Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Dirk Sliwka</p>
10	<p>Miscellaneous</p>

SpM Strategic Management					
Module Code 1253MSSMG1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Strategic Management (1. Term)		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Fundamentals of strategic management • Basic concepts and tools for analysing strategic positioning for companies on the market • Basic concepts and tools for analysing competition • Applying theoretical concepts on strategic positioning and competition in case studies 				
3	Learning Objectives Students... ... analyse current questions and challenges. ... assess and discuss findings and research results of specialized theories / methods. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... communicate continuously and purposefully in diverse teams. ... solve team-internal conflicts and target divergences independently. ... justify and defend (independently developed) positions or problem solutions. ... present scientific results in a way that is appropriate for the target audience. ... evaluate their own action processes in self- and external reflection and identify development potentials. ... act responsibly considering ecological, social and ethical criteria. ... critically evaluate current social developments and develop alternative solutions. ... develop work processes for real problems and challenges.				
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 - Accounting and Taxation: Supplementary Section Accounting and Taxation				

ECONOMICS - MASTER OF SCIENCE

valid for students of the ER 2021 (enrolment from winter semester 2021/22)

	<p>Master of Science Informatik: Anwendungsfeld</p> <p>Master of Science Geographie: Wahlpflichtfach Management & Social Sciences</p> <p>Master of Science Economics: Supplementary Section Management & Social Sciences</p> <p>Master of Science Sociology: Social Research: Supplementary Section Sociology and Social Research</p> <p>Master of Science Sociology: Social and Economic Psychology: Supplementary Section Sociology: Social and Economic Psychology</p> <p>Master of Science Economic Research: Supplementary Section Economic Research</p> <p>Master of Science Gesundheitsökonomie: Supplementary Section Health Economics</p> <p>Master of Arts Medienwissenschaft: Ergänzungsbereich Medienmanagement und Medienökonomie</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 - Corporate Development: Specialisation Section Corporate Development</p>
9	<p>Module Manager Univ.-Prof. Dr. Matthias Heinz</p>
10	<p>Miscellaneous</p>

3.7.5 Master Thesis

Master's Thesis in Economics					
Module Code 1287MMECO1	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 must reflect the economic methods learned during the programme.				
3	Learning Objectives Students... ... are familiar with current debate on economic theories 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 module examination				
8	Other Programmes that Use the Module Master of Science Economics: Master Thesis in Economics				
9	Module Manager Univ.-Prof. Michael Krause, Ph.D.				
10	Miscellaneous The master's thesis may be written in German or English.				