

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

HEALTH ECONOMICS

MASTER OF SCIENCE

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

HEALTH ECONOMICS - MASTER OF SCIENCE

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

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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		

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1 Health Economics

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	...specialists for health economic issues in order to identify and address future problems.
	<i>Students delineate relevant perspectives of health economics (1. business perspective, 2. economic and socio-political perspective, 3. medical perspective).</i>
	<i>Students apply various methods in medicine, statistics, clinical trial evaluation, medical decision making, and business informatics in a solution-oriented manner.</i>
	...innovative problem solvers at the interface between medicine and business in order to optimize business processes in a sustainable and ethically sensitive manner.
	<i>The students apply data collection and analysis methods in a well-founded manner in the areas of health care management, clinical trial methodology or cost-benefit assessment, among others.</i>
	<i>Students apply health economic theories and concepts to unfamiliar discipline-specific situations, including in the areas of quality management, health care systems, chronic disease management, and ethics.</i>
	...theory-based health management analysts to support health economic processes in a scientifically sound manner.
	<i>Students review and evaluate management and research methods in the areas of international strategy, management, and cross-cultural communication.</i>
Communicative and cooperative competencies	...medically and economically trained discussion leaders in order to effectively coordinate business decision-making processes in the healthcare sector.
	<i>Students work purposefully and responsibly in (international) teams and develop an understanding of leadership roles in intercultural and diverse contexts.</i>
	<i>Students present and discuss scientific topics and independently developed positions and solution strategies with people from theory and / or practice in English and German.</i>
Personal competencies	...self-reflective and ethically acting decision makers in order to face urgent social challenges in health care.
	<i>Students develop social, ethical and economic and ecological criteria for responsible business decisions, effective leadership styles and sustainable social action.</i>
	<i>Students independently design their learning and work processes, assessing their own action process and identifying development potential.</i>

The Master in Health Economics programme – run jointly by Cologne University's Faculty of Management, Economics and Social Sciences and Faculty of Medicine – equips students for a career in public or private health care institutions. Health economics specialists work in microeconomic management, administration, associations and health care governance institutions. The aim is for students to develop an interdisciplinary understanding of the field, based on the stakeholder groups relevant to health care (managers, policymakers, physicians, etc.). The programme therefore consists of three levels, as follows:

1. Corporate level (business administration perspective)
2. System level (economic and sociopolitical perspective)
3. Patient level (medical perspective).

Working on this basis, the students learn how to use economic tools to support (e.g. by obtaining and processing information or by means of impact studies), shape (e.g. by devising and presenting alternatives) or implement (e.g. by means of project management) decision-making processes. Graduates from this master programme have the necessary competence to reflect on questions and problems, guided by theory, and to strategically develop and implement well-founded, individual and collective approaches. They thus have the skill set required to take on high-level posts in any health care institution. Other employment opportunities offered by this interdisciplinary programme include academic teaching and research on health economics and health policy.

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 as well as German language skills at level C1 are required at the beginning of the programme.

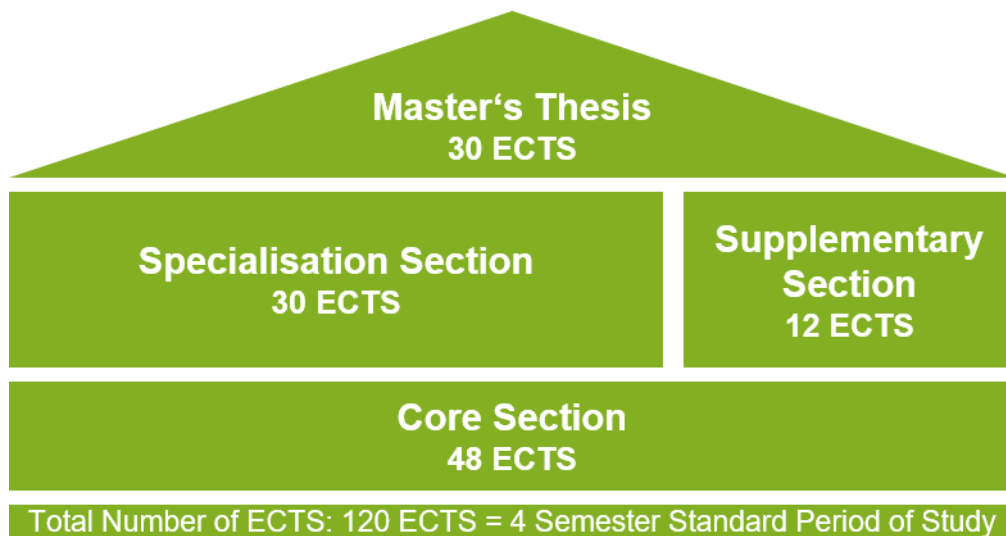
These and other subject-related requirements for the course of study are defined in the **admission regulations**.

The WiSo Faculty has established a **Double Master's Programme in Health Economics and Management** in cooperation with Maastricht University. Students admitted to the double degree track are spending one year at Maastricht University and receive the master's degrees of both universities after successful completion. 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 in Health Economics programme carries 120 ECTS and the standard period of study is four terms. It is comprised of the following four categories:

The core section (48 ECTS) consists of modules on the principles and methods of health economics. All of the modules in this section are compulsory. The specialisation section (30 ECTS) is made up of additional modules on health economics and medicine, plus seminars. The supplementary section (12 ECTS) is comprised of further modules in the areas of medicine, economics/sociology and business administration. These are all elective modules. The fourth section is the master thesis, worth 30 ECTS.



1.4 Study Abroad Option

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

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

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

In addition to these options offered by the Faculty, master students can also apply for a non-WiSo exchange, offered by Dezernat 9 – Internationales (Central International Office of the University of Cologne) within the 'fakultätsübergreifende Partnerschaften' framework. Further

possibilities are going abroad as a freemover (i.e. as a student who organises his or her stay abroad individually) or participating in short courses or summer schools offered under separate terms and conditions.

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

The Faculty’s Study Abroad Programme (STAP):

Master students should plan and submit their application for a term abroad at the beginning of their master 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**.

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1.5 Sample study plan

M.Sc. Programme Health Economics (Health Care Manager Track - Start Winter Term)						
1. Semester	Core Module Health Economics I CC 1282MBHHE1 6 CP	Core Module Health Economics II CC 1282MBHHE2 6 CP	Core Module Health Economics III CC 1282MBHHE3 6 CP	Core Module Health Care Systems CC 1282MBHCS1 6 CP	Core Module Management Skills*** CC 1015MBMSK1 6 CP	CP 30
2. Semester	Core Module Health Care Management CC 1282MBHCM1 6 CP	Core Module Health Economics IV CC 1282MBHHE4 6 CP	Core Module Health Economics V CC 1282MBHHE5 6 CP	SM Health Care Management II or SM Health Care Management III EC 6 CP	SM Health Economics I or SM Health Economics IV EC 6 CP	30
3. Semester	Supplementary Section Medizin (1/1)* EC 6 CP	Supplementary Section BWL (1/1)** EC 6 CP	SM Health Care Systems I EC 6 CP	CM Wirtschafts-informatik II EC 6 CP	SM Health Economics II or SM Health Economics IV EC 6 CP	30
4. Semester	Master Thesis Health Economics CC 1282MMHEC1				30 CP	30

Sections **Core** Specialisation Supplementary

- * Lecture Recommendation: Klinische Umweltmedizin, Prävention und Gesundheitsförderung, Arbeitsmedizin und Sozialmedizin or Rechtsmedizin
- ** Module Recommendation: SM Business Ethics, SM Strategic Human Resource Management, SM Strategic Management, SM Controlling I or SM Controlling II
- *** An assignment of the module is possible from the first term, there are no professional requirements, and the module is offered every term. However, it is advisable to attend the module in a later term. Alternatively, e.g. the module SM Health Economics IV can be attended in the first semester.

M.Sc. Programme Health Economics (Health Care Analyst Track - Start Winter Term)						
1. Semester	Core Module Health Economics I CC 1282MBHHE1 6 CP	Core Module Health Economics II CC 1282MBHHE2 6 CP	Core Module Health Economics III CC 1282MBHHE3 6 CP	Core Module Health Care Systems CC 1282MBHCS1 6 CP	Core Module Management Skills*** CC 1015MBMSK1 6 CP	CP 30
2. Semester	Core Module Health Care Management CC 1282MBHCM1 6 CP	Core Module Health Economics IV CC 1282MBHHE4 6 CP	Core Module Health Economics V CC 1282MBHHE5 6 CP	SM Health Care Management II EC 6 CP	SM Health Economics IV or SM Health Economics V EC 6 CP	30
3. Semester	Supplementary Section Medizin (1/1)* EC 6 CP	Supplementary Section BWL (1/1)** EC 6 CP	SM Health Care Systems I or SM Health Care Systems II EC 6 CP	SM Health Care Management I or CM Wirtschaftsinformatik II EC 6 CP	SM Health Economics III, SM Health Economics IV or SM Health Economics V EC 6 CP	30
4. Semester	Master Thesis Health Economics CC 1282MMHEC1				30 CP	30

Sections **Core** Specialisation Supplementary

- * Lecture Recommendation: Psychosomatik und Psychotherapie, Naturheilkunde und Homöopathie, Prävention und Gesundheitsförderung, Medizinische Soziologie (SoSe) or Rechtsmedizin
- ** Module Recommendation: SM Business Ethics, SM Strategic Human Resource Management, SM Marketing in Specific Contexts III (SoSe), SM Finance III or SM Advanced Accounting (SoSe)
- *** An assignment of the module is possible from the first term, there are no professional requirements, and the module is offered every term. However, it is advisable to attend the module in a later term. Alternatively, e.g. the modules SM Health Economics IV or V can be attended in the first semester.

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M.Sc. Programme Health Economics (with study abroad option)						
1. Semester	Core Module Health Economics I CC 1282MBHHE1 6 CP	Core Module Health Economics II CC 1282MBHHE2 6 CP	Core Module Health Economics III CC 1282MBHHE3 6 CP	Core Module Health Care Systems CC 1282MBHCS1 6 CP	Core Module Management Skills* CC 1015MBMSK1 6 CP	CP 30
2. Semester	Core Module Health Care Management CC 1282MBHCM1 6 CP	Core Module Health Economics IV CC 1282MBHHE4 6 CP	Core Module Health Economics V CC 1282MBHHE5 6 CP	Specialisation Section Management (1/2) EC 6 CP	Specialisation Section Medizin (1/2) EC 6 CP	30
3. Semester semester abroad	Supplementary Section Medizin (1/1) – Studies Abroad EC 6 CP	Supplementary Section BWL (1/1) – Studies Abroad EC 6 CP	Specialisation Section System (1/1) – Studies Abroad EC 6 CP	Specialisation Section Management (2/2) – Studies Abroad EC 6 CP	Specialisation Section Medizin (2/2) – Studies Abroad EC 6 CP	30
4. Semester	Master Thesis Health Economics CC 1282MMHEC1				30 CP	30
Sections Core Specialisation Supplementary						
<small>* An assignment of the module is possible from the first term, there are no professional requirements. However, it is advisable to attend the module in a later term. The module is offered every term.</small>						

Track Recommendation for a targeted career profile

For specialisation within the study programme, you can choose a Health Care Manager Track or Health Care Analyst Track. A combination is also possible. The Health Care Analyst Track supports your professional profile for a career in scientific and academic health care institutions. The Health Care Manager Track enables you to specialise for careers in hospital management, quality management or consulting. Analytical-oriented and management-oriented contents are available in each section of the study programme.

Track specialization is recommended but not mandatory!

Health Care Manager Track - exemplary areas for job opportunities are:

- Controller for hospitals
- Assistance to the board of directors at the hospital
- Consultant
- Project Manager of health care providers
- Quality Manager

Health Care Analyst Track - exemplary areas for job opportunities are:

- Consultant
- Data Analyst
- Health Care Analyst
- Health Economist
- Market Access Manager of Pharmaceuticals
- Researcher

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 and specialisation categories are calculated as the weighted arithmetic mean of the marks for the respective modules, based on the weighting system described in the 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 regulations**.

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

- a) Mark for core section: 48 of 120 ECTS credits
- b) Mark for specialisation section: 30 of 120 ECTS credits
- c) Mark for supplementary section: 12 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](mailto:klips-wiso@uni-koeln.de) (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 advice and examination advice

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

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

Legally binding information concerning examinations and examination procedures is provided by the **WiSo Faculty Examination 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 does away with the need to make individual inquiries to departments/institutes and examination offices. Students can find out everything they need to know about the transfer process on the website.

The **WiSo Career Service** offers advice and support, in cooperation with other partners, for students from the WiSo Faculty looking for an internship or profession that is right for them. It also helps them as they plan their career and apply for jobs. In addition, the WiSo Career Service organises seminars, presentations and special events in cooperation with employers and external and internal experts. All of the necessary information can be found on the website. The **WiSo IT Service** runs regular courses dealing with standard software and field-specific 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 Studentenwerk. In addition to counselling, it also provides advice on writing and learning skills plus support for pregnant students and students who have children.

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

The WiSo student council represents the interests of all students from the WiSo faculty. In addition to advice from fellow students it also provides a variety of useful services for studying at the WiSo faculty. Any information can be found at **wiso-buero.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 29(1), No. 1 of the Examination Regulations, the examination candidate must obtain 48 ECTS credits in the core section.

Group	Module	ECTS	CC/ EC	Required ECTS
Core section Health Economics	CM Management Skills	6	CC	48
	CM Health Care Management	6	CC	
	CM Health Care Systems ¹	6	CC	
	CM Health Economics I	6	CC	
	CM Health Economics II	6	CC	
	CM Health Economics III	6	CC	
	CM Health Economics IV	6	CC	
	CM Health Economics V	6	CC	

¹ The module will be offered for the last time in the winter term 2023/24; the exam can be taken for the last time in the summer term 2024. The module will then be reorganised in terms of content.

3.2 Specialisation section

In accordance with section 29(1), No. 2 of the Examination Regulations, the examination candidate must obtain 30 ECTS credits in the specialisation section.

Group	Module	ECTS	CC/ EC	Required ECTS	
Management	SpM Health Care Management I	6	EC	12	30
	SpM Health Care Management II	6	EC		
	SpM Health Care Management III	6	EC		
	CM Information Systems II	6	EC		
	Studies Abroad in Management I	6	EC		
Medicine	SpM Health Economics I	6	EC	12	
	SpM Health Economics II	6	EC		
	SpM Health Economics III	6	EC		
	SpM Health Economics IV	6	EC		
	SpM Health Economics V	6	EC		
	Studies Abroad in Health Care Management I	6	EC		
System	SpM Health Care Systems I	6	EC	6	
	SpM Health Care Systems II ²	6	EC		
	Studies Abroad in Health Care Management II	6	EC		

² The module will be offered for the last time in the winter term 2023/24; the exam can be taken for the last time in the summer term 2024. The module will then be reorganised in terms of both content and the form of teaching and examination.

3.3 Supplementary section

In accordance with section 29(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	
Medicine	SuM Medicine I	6	EC	6	12
	SuM Medicine II	6	EC		
	Studies Abroad in Health Care Management III	6	EC		
Business Administration	SpM Business Ethics	6	EC	6	
	SpM Strategic Human Resource Management	6	EC		
	SpM Marketing in Specific Contexts III	6	EC		
	SpM Finance III	6	EC		
	SpM Strategic Management	6	EC		
	SpM Advanced Accounting	6	EC		
	SpM Controlling I	6	EC		
	SpM Controlling II	6	EC		
	Studies Abroad in Management II	6	EC		

3.4 Extracurricular course programme

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

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

3.5 Master's thesis

The master's thesis, which carries 30 ECTS credits, is written towards the end of the programme. It is intended to show that the student is capable of conducting academic work on and reflecting on a specific problem related to the subject matter covered on the programme, using the necessary methods and within a specified period.

The topic of the master's thesis on the Health Economics programme must come from the core section or the specialisation section.

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

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

3.6 Module description

3.6.1 Core Section

CM Management Skills					
Module Code 1015MBMSK1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every term	Duration 1 Term
1	Courses a) Management Skills b) Management Skills		Contact Hours a) 30h b) 30h	Self-Studies a) 150h b) 150h	Course Language a) English b) German
2	Module Content Methods, models, techniques, tools and procedures for analysis and reflection alternatively in the areas of: <ol style="list-style-type: none"> 1. Communication <ul style="list-style-type: none"> • Moderation and presentation techniques • Communication in complex organisations 2. Group/team organisation <ul style="list-style-type: none"> • Leadership (requirements, influencing factors, success criteria, disturbances, ...) • Goal definition, role definition, task definition and distribution 3. Project management <ul style="list-style-type: none"> • Agile management • Change management • IT tools 4. Leadership <ul style="list-style-type: none"> • Decision Preparation • Leadership • Negotiation • Problem-solving 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the areas of communication, team organisation, project management or leadership. ... analyse current questions and challenges in the areas of communication, team organisation, project management or leadership. ... communicate continuously and purposefully in diverse teams. ... solve team-internal conflicts and target divergences independently. ... 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. ... develop work processes for real problems and challenges. 				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements None				

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6	<p>Mode of End-Of-Module Examination Combined examination: PRES, TP</p>
7	<p>Prerequisites for Awarding of Credit Points Passing the module examination</p>
8	<p>Other Programmes that Use the Module Master of Science Business Administration - Supply Chain Management: Core Section Supply Chain Management Master of Science Business Administration - Marketing: Core Section Marketing Master of Science Gesundheitsökonomie: Core Section Health Economics Master of Science Business Administration - Finance: Core Section Finance Master of Science Business Administration - Accounting and Taxation: Core Section Accounting and Taxation Master of Science Business Administration - Corporate Development: Core Section Corporate Development</p>
9	<p>Module Manager AD Dr. Johannes Antweiler</p>
10	<p>Miscellaneous A range of seminars are offered, each focusing on different aspects of management skills.</p>

CM Health Care Management					
Module Code 1282MBHCM1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Advanced Health Care Management		Contact Hours 60h	Self-Studies 120h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Methods of strategic controlling in health care facilities • Use of theoretical decision models to solve conflicting goals • Methods of Organizational Comparison • Development of project plans and determination of critical factors • Discussion of selected empirical studies 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... justify and defend (independently developed) positions or problem solutions. ... 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 (90)				
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 Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous				

CM Health Care Systems					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1282MBHCS1	180h	6	German and English	every 2nd term - winter term	1 Term
1	Courses International Comparison of Health Care Systems		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content The module Health Care Systems I aims at a theory and typology-guided comparison of health care systems. The aim is to get to know and evaluate the spectrum of health policy arrangements and to identify best practice examples. Questions of policy change and policy diffusion will also be addressed. The approach is interdisciplinary and includes different perspectives (e.g. comparative welfare state research, but also economically influenced socio-political concepts). The module pursues an interdisciplinary approach that encompasses different perspectives (anthropology and philosophy of multi-level legal systems, social policy and welfare state, health and care research, social economics of cost efficiency, etc.).				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods of comparative welfare state research. ... assess and discuss findings and research results of specialized theories / methods. ... justify and defend (independently developed) positions or problem solutions. ... present scientific results in a way that is appropriate for the target audience. ... 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: 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 Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik				
9	Module Manager Univ.-Prof. Dr. Frank Schulz-Nieswandt				
10	Miscellaneous The language of the lecture will be determined at the beginning of the semester. The module will be offered for the last time in the winter term 2023/24; the exam can be taken for the last time in the summer term 2024. The module will then be reorganised in terms of content.				

CM Health Economics I					
Module Code 1282MBHHE1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Quality of care and patient safety		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Dimensions of care and quality of care • Missupply as a quality deficit • Measures of quality determination, supply control and improvement of care quality • Methodological requirements, evaluation possibilities and problems of clinical guidelines • Terminology and concept of patient safety • Strategies to improve patient safety • Regulatory aspects of quality requirements and further development 				
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. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists.				
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 Gesundheitsökonomie: Core Section Health Economics Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik				
9	Module Manager Dr.' Michaela Eikermann Univ.-Prof. Dr. med.' Stephanie Stock				
10	Miscellaneous Students on the course are expected to prepare actively for and participate actively in each class. They will be advised of compulsory reading on a term-by-term basis.				

CM Health Economics II					
Module Code 1282MBHHE2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Ethics of the health care system		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Ethical foundations • Health as a basic concept guiding action • Perceptions of justice, allocation and prioritization • Ethical aspects of the economic valuation of life and health • Medical indication, quality of life, wish-fulfilling medicine and enhancement 				
3	Learning Objectives Students will... ...know the possibilities and limitations of ethical analyses. ...understand the importance of different health views for decision making in health care systems ...analyze and evaluate different views of justice and their implications for the structure of health care systems ...are aware of the ethical implications of concepts such as "medical indication" and "quality of life". ...are able to discuss and evaluate current developments in the field of health care from an ethical point of view.				
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 Gesundheitsökonomie: Core Section Health Economics Master of Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik				
9	Module Manager Dr. Christian Hick				
10	Miscellaneous As Introduction: Lauterbach, K.W., Stock, S., Brunner, H. (Hrsg.): Gesundheitsökonomie. Teil 1: Ethik und Ökonomie in der Medizin, S. 11-71, Bern (2013). Further literature will be announced in lecture..				

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				

CM Health Economics IV					
Module Code 1282MBHHE4	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Management of Chronic Diseases		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Fundamentals of chronic disease medicine • Special features of chronic diseases from the perspective of service providers, patients and payers • Care structures and management models for chronic diseases • Methods for benchmarking care processes and outcomes • New forms of care • Methods of self-technology assesment Evaluation 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... assess and discuss findings and research results of specialized theories / methods. ... collect, systematize and synthesize independently literature on selected scientific questions. ... justify and defend (independently developed) positions or problem solutions.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements Recommendation: Basic knowledge of evidence-based medicine and basic knowledge of health 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 Gesundheitsökonomie: Core Section Health Economics				
9	Module Manager Univ.-Prof. Dr. med.' Stephanie Stock				
10	Miscellaneous				

CM Health Economics V					
Module Code 1282MBHHE5	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Methodology of clinical studies (biostatistics)		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Clinical study questions and types • Statistical planning, implementation and interpretation of clinical studies • Special methods such as crossover/phase I/II studies • Assessment of clinical studies 				
3	Learning Objectives Students... ... understand advanced, 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. ... use techniques of scientific work and good scientific practice.				
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 Gesundheitsökonomie: Core Section Health Economics				
9	Module Manager Prof. Dr. rer. medic. Martin Hellmich				
10	Miscellaneous Compulsory reading: Schumacher, Schulgen: Methodik klinischer Studien				

3.6.2 Specialisation Section

SpM Health Care Management I					
Module Code 1282MSHCM1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Seminar I (Methods): Management in Health Care Systems		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Analysis of different formal methods by means of a scientific publication • Literature research on methodology and context • Preparation of a presentation of the results • Discussion of the strengths, weaknesses and implications of the article 				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods. ... 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. ... critically evaluate current social developments and develop alternative solutions.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Combined examination: PRES, WT (45)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous All participants will receive all core papers for the seminars. Each student reads a paper and prepares a presentation relating to it, which they deliver in class. The written test will cover the main topics covered in the presentations.				

SpM Health Care Management II					
Module Code 1282MSHCM2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Seminar II (Theory): Management in Health Care Systems		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Analysis of the theoretical background and context of a scientific publication • Literature research on theory and context • Preparation of a presentation of the results • Discussion of the strengths, weaknesses and implications of the article 				
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. ... 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. ... critically evaluate current social developments and develop alternative solutions. 				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Combined examination: PRES, WT (45)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous All participants will receive all core papers for the seminars. Each student reads a paper and prepares a presentation relating to it, which they deliver in class. The written test will cover the main topics covered in the presentations.				

SpM Health Care Management III					
Module Code 1282MSHCM3	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Selected Issues Health Care Management		Contact Hours 30h	Self-Studies 150h	Course Language German and English
2	Module Content <ul style="list-style-type: none"> • Analysis of practical problems from a business perspective • Transfer of theoretical knowledge and application of quantitative methods • Development of independent solutions within the framework of a case study • Presentation Solution approaches • Discussion of strengths and weaknesses of the solution approaches 				
3	Learning Objectives Students... ... analyse current questions and challenges. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... 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.				
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 Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous This course takes place irregularly and is mainly led by guest lecturers. Information, if and when the course takes place, can be found in KLIPS.				

CM Information Systems II					
Module Code 1277BBWIF2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Database Systems		Contact Hours 90h	Self-Studies 90h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Relational model and relational algebra • Relational query languages (SQL) • Conceptual data modelling (e.g., Entity Relationship Model) • Relational database design • Normalization (1.-3. normal form, BCNF) • Development process of database systems • Data organization, data management, data protection and privacy 				
3	Learning Objectives Students... ... know and understand basic theories in the field of relational databases and data management. ... apply theories in the field of relational databases and data management in pre-structured contexts (e.g. case studies) in a solution-oriented way. ... use methods in the field of relational databases and data management in pre-structured contexts in a solution-oriented way. ... develop an understanding of the impact of decisions that take into account environmental, economic, social or ethical criteria.				
4	Teaching and Learning Methods lecture tutorial				
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 Gesundheitsökonomie: Specialisation Section Health Economics Bachelor of Arts Medienwissenschaft: Media and Technology Management Bachelor of Science Betriebswirtschaftslehre: Supplementary Section Business Administration Bachelor of Science Wirtschaftsinformatik: Core Section Information Systems				
9	Module Manager Univ.-Prof. Dr. Christoph Rosenkranz				

10	Miscellaneous Mandatory reading is announced every semester. The written test may be in the form of an e-examination. Tutorials will be offered instead of practices.
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Studies Abroad in Management I						
Module Code 1014MSSAM1		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... ... analyse current questions and challenges. ... 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. ... critically evaluate current social developments and develop alternative solutions.					
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 Gesundheitsökonomie: Specialisation Section Health Economics					
9	Module Manager					
10	Miscellaneous Language: Can be offered in English or in any language possible at the host university. This module can be studied at a higher education institution in another country. There is a standardised accreditation procedure for such cases. Information about course accreditation (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. Health Economic/ BusAd/Sociology/Economic Modules from the semester abroad can be taken into account.					

SpM Health Economics I					
Module Code 1282MSHHE1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Critical Appraisal of Health Economic Studies		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Cost analysis • Benefit analysis • Non-comparative studies • Comparative studies • Critical appraisal of studies and models • Distributions • Sensitivity analyses • Uncertainty in cost/benefit analysis in general 				
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. ... 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 seminar				
5	Module Entry Requirements Recommendation: For the course it is necessary to have attended the lecture Health Economic Evaluation. Evidence-based medicine is recommended. It is advisable to have already heard statistics and decision 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 Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Dr. rer. pol. Dirk Müller				
10	Miscellaneous Compulsory reading will be announced each term. Basic knowledge about Health Economic Evaluation and EbM as provided in the Bachelor degree are pre-conditions. The term paper consists of several questions/assignments on a health economic study.				

SpM Health Economics II					
Module Code 1282MSHHE2	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Health Technology Assessment and Health Policy in Germany		Contact Hours 20h	Self-Studies 160h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Process of analysing the benefits of medical technologies • Literature research and academic writing • Methodological and regulatory aspects of innovations in health care • Critical appraisal and systematic assessment of innovations 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods. ... analyse current questions and challenges. ... assess and discuss findings and research results of specialized theories / methods. ... 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. ... use techniques of scientific work and good scientific practice. 				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommended: Basic knowledge of the German health care system				
6	Mode of End-Of-Module Examination Oral examination: OE				
7	Prerequisites for Awarding of Credit Points Passing the module examination in one of the courses.				
8	Other Programmes that Use the Module Master of Science Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Dr. rer. pol. Dirk Müller				
10	Miscellaneous				

SpM Health Economics III					
Module Code 1282MSHHE3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Applied Clinical Research		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content <ul style="list-style-type: none"> • Key aspects when writing study protocols • Clinical studies on drugs and medical devices • Significance and validation of surrogate markers • Ethical aspects in clinical studies • Regulatory aspects applicable to clinical studies • Special study designs 				
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. ... justify and defend (independently developed) positions or problem solutions.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements Recommendation: Knowledge of evidence-based medicine				
6	Mode of End-Of-Module Examination Oral examination: PRES				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Science Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Prof. Dr. med. Stefan Sauerland				
10	Miscellaneous These lectures are based on various examples of medical studies. Students will be advised in class of any required reading for the lectures.				

SpM Health Economics IV					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1282MSHHE4	180h	6	German	every term	1 Term
1	Courses a) Systematic processing of information in the health sector b) Strategic Management - Computer-based Management Game Hospital Management		Contact Hours a) 20h b) 20h	Self-Studies a) 160h b) 160h	Course Language a) German b) German
2	Module Content <ul style="list-style-type: none"> • Information on decision-making and knowledge management in medicine • Identification of evidence and research in reliable databases that play a significant role in decision-making (guidelines, pathways, drug information services, information aimed at patients) • Selection/production of reliable health care information for patients • Decision-making based on medical and economic key figures 				
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. ... collect and analyse data material for selected scientific questions using quantitative / qualitative methods. ... 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. ... communicate continuously and purposefully in diverse teams. ... solve team-internal conflicts and target divergences independently. ... 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. ... evaluate their own action processes in self- and external reflection and identify development potentials. ... develop work processes for real problems and challenges. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommendation: Basic knowledge of the German health care system				
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 Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Univ.-Prof. Dr. med.' Stephanie Stock				

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10	Miscellaneous Compulsory reading will be announced each term. (a) Basic knowledge about methods of EbM as provided in the Bachelor degree are pre-conditions.
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SpM Health Economics V						
Module Code 1282MSHHE5		Workload 180h	ECTS Credits 6	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Fields of competence			Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Metabolic syndrome I • Colorectal carcinoma • Diabetes mellitus • Hypertension I • Coughs and colds • Heart failure 					
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. ... 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 seminar					
5	Module Entry Requirements none					
6	Mode of End-Of-Module Examination Oral examination: PRES					
7	Prerequisites for Awarding of Credit Points Passing the module examination					
8	Other Programmes that Use the Module Master of Science Gesundheitsökonomie: Specialisation Section Health Economics					
9	Module Manager Univ.-Prof. Dr. med.' Stephanie Stock					
10	Miscellaneous Basic knowledge about Health Economic Evaluation and EbM as provided in the Bachelor degree are pre-conditions.					

Studies Abroad in Health Care Management I					
Module Code 1014MSSAH1	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... ... analyse current questions and challenges. ... 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. ... critically evaluate current social developments and develop alternative solutions.				
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 Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous Language: Can be offered in English or in any language possible at the host university. This module can be studied at a higher education institution in another country. There is a standardised accreditation procedure for such cases. Information about course accreditation (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. Health Economic/ BusAd/Sociology/Economic Modules from the semester abroad can be taken into account.				

SpM Health Care Systems I					
Module Code 1282MSHCS1	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Population Health and Health Inequalities b) Sociology of Health		Contact Hours a) 30h b) 30h	Self-Studies a) 150h b) 150h	Course Language a) English b) English
2	Module Content a) • Health Inequalities over the life-cycle • Current Topics in health economics/ population health b) • Measurement of health in social surveys • SES and health • Role of neighbourhood context and health • Gender differences and health • Work and health • Family and health • Healthy migrant effect • Social networks and health • Health problems in an ageing society • HIV/AIDS • Mortality • Demographic change and health care expenditures				
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. ... 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. ... critically evaluate current social developments and develop alternative solutions.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements Recommendation: CM Health Economics III				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
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 Gesundheitsökonomie: Specialisation Section Health Economics				

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9	Module Manager Univ.-Prof. Dr. Karsten Hank Emanuel Hansen Univ.-Prof. Dr. Pia Pinger
10	Miscellaneous

SpM Health Care Systems II					
Module Code 1282MSHCS2	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Philosophy of Inclusion and Community Building		Contact Hours 30h	Self-Studies 150h	Course Language English
2	Module Content The module Health Care Systems II focuses on the influence of the European multi-level system on socio-political interventions. The module focuses on the analysis of the European legal foundation of social policy. Spill-over effects of internal market integration are analysed as well as the Charter of Fundamental Rights of the EU. Against the background of a European Social Model, specific governance instruments, such as the Open Method of Coordination, are presented and considered in the context of national reform agendas. The approach is interdisciplinary and includes different perspectives (e.g. integration theory and comparative welfare state research, but also economically influenced socio-political concepts).				
3	Learning Objectives Students... ... understand advanced, specialized theories / methods in terms of inclusion and community building. ... justify and defend (independently developed) positions or problem solutions. ... critically evaluate current social developments and develop alternative solutions. ... 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: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Master of Arts Gender & Queer Studies: Aufbaubereich: Sozialpolitik und Sozialökonomie Master of Science Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Univ.-Prof. Dr. Frank Schulz-Nieswandt				
10	Miscellaneous The module will be offered for the last time in the winter term 2023/24; the exam can be taken for the last time in the summer term 2024. The module will then be reorganised in terms of both content and the form of teaching and examination.				

Studies Abroad in Health Care Management II					
Module Code 1014MSSAH2	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... ... analyse current questions and challenges. ... 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. ... critically evaluate current social developments and develop alternative solutions.				
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 Gesundheitsökonomie: Specialisation Section Health Economics				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous Language: Can be offered in English or in any language possible at the host university. This module can be studied at a higher education institution in another country. There is a standardised accreditation procedure for such cases. Information about course accreditation (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. Health Economic/ BusAd/Sociology/Economic Modules from the semester abroad can be taken into account.				

3.6.3 Supplementary Section

SuM Medicine I					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1282MEMED1	180h	6	German	every term	1 Term
1	Courses a) Psychosomatics and Psychotherapy (main lecture) b) Basics, limits and possibilities of naturopathy and homeopathy c) Clinical Environmental Medicine d) Prevention and health promotion e) Medical Sociology f) Occupational medicine, social medicine		Contact Hours a) 15h b) 15h c) 18h d) 30h e) 30h f) 18h	Self-Studies a) 165h b) 165h c) 162h d) 150h e) 150h f) 162h	Course Language a) German b) German c) German d) German e) German f) German
2	<p>Module Content</p> <p>a)</p> <ul style="list-style-type: none"> • Psychosomatics and psychotherapy • Psychogenic eating disorders • Depression; anxiety disorders • Somatisation disorders • Dissociative disorders • Post-traumatic stress disorder <p>b)</p> <ul style="list-style-type: none"> • Evidence-based natural healing methods: prophylaxis and therapy options recommended by patients and service providers • Basic principles, options and limits of evidence-based natural healing • Basic principles, options and limits of evidence-based complementary medicine • Principles of physical medicine • Types of rehabilitation • Basic principles of rehabilitation <p>c)</p> <ul style="list-style-type: none"> • Basic principles of environmental medicine of relevance to public health • The role of clinical environmental medicine in prevention • Links between environmental factors, illnesses and disorders • Determination of harmful potential and monitoring of substances hazardous to health • Epidemiological studies in environmental medicine <p>d)</p> <p>I. Fundamentals: Prevention in doctors' surgeries and in hospitals: basic terminology and concepts II. Secondary prevention - Screening: Breast cancer, cancer of the colon, childhood cancer III. Primary prevention through behavioural change: How do I change patients' health and prevention habits? Prevention of smoking, obesity and high blood pressure IV. Primary prevention through prevention activities focusing on the individual's environment: Prevention activities focusing on the individual's environment and health promotion activities in hospitals). Patient safety in hospitals and doctors' surgeries/practices.</p> <p>e)</p> <ul style="list-style-type: none"> • Why medical sociology? • Social influences on health and disease • Health and illness at a glance: Reference systems 				

	<ul style="list-style-type: none"> • Health behavior: Social psychological and sociological models • Methodical basics • Population structure, social stratification and social change • Life cycle and socialisation • physician-patient-relationship • Prevention, rehabilitation and health promotion • Cross-sectional tasks in the health care system <p>f)</p> <ul style="list-style-type: none"> • The scientific basis for human factors engineering • Detection of causes and identification of preventive measures for work-related health hazards, diseases and accidents • Measures to ensure individual fitness to work and employability are maintained and restored • Workplace health promotion and prevention
3	<p>Learning Objectives</p> <p>Students...</p> <p>... understand advanced, specialized theories / methods.</p> <p>... analyse current questions and challenges.</p> <p>... justify and defend (independently developed) positions or problem solutions.</p> <p>... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists.</p> <p>... use techniques of scientific work and good scientific practice.</p>
4	<p>Teaching and Learning Methods</p> <p>lecture</p>
5	<p>Module Entry Requirements</p> <p>none</p>
6	<p>Mode of End-Of-Module Examination</p> <p>Written test: WT (60)</p>
7	<p>Prerequisites for Awarding of Credit Points</p> <p>Passing the module examination of one course. A course is to be attended; the examination relates to the content of one course.</p>
8	<p>Other Programmes that Use the Module</p> <p>Master of Science Gesundheitsökonomie: Supplementary Section Health Economics</p>
9	<p>Module Manager</p> <p>Medizinische Fakultät</p>
10	<p>Miscellaneous</p> <p>The aim is to give students an overview of how sociological content is used in medicine. The compulsory reading list will be published before the start of term.</p>

SuM Medicine II						
Module Code 1282MEMED2		Workload 180h	ECTS Credits 6	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Legal Medicine			Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • The physician's profession and professional code of conduct , professional jurisdiction • Expert commission of the chambers of physicians • Pre-intervention information for the patient and patient consent • Duty of confidentiality, right to information, obligation to notify the authorities • Documentation duty, right of access to medical records • Treatment errors and breach of duty of care in criminal and civil procedures • Physicians in criminal procedures • Euthanasia, suicide, living wills • Treatment attempts and clinical experiments, ethics committees • Dealing with the press, written interviews and statements as a physician • Writing expert reports 					
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. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists.					
4	Teaching and Learning Methods seminar					
5	Module Entry Requirements none					
6	Mode of End-Of-Module Examination Oral examination: OE					
7	Prerequisites for Awarding of Credit Points Passing the module examination					
8	Other Programmes that Use the Module Master of Science Gesundheitsökonomie: Supplementary Section Health Economics					
9	Module Manager Univ.-Prof. Dr. med. Markus A. Rothschild					
10	Miscellaneous The compulsory reading list will be published at the start of term.					

Studies Abroad in Health Care Management III						
Module Code 1014MSSAH3		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... ... analyse current questions and challenges. ... 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. ... critically evaluate current social developments and develop alternative solutions.					
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 Gesundheitsökonomie: Supplementary Section Health Economics					
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz					
10	Miscellaneous Language: Can be offered in English or in any language possible at the host university. This module can be studied at a higher education institution in another country. There is a standardised accreditation procedure for such cases. Information about course accreditation (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. Health Economic/ BusAd/Sociology/Economic Modules from the semester abroad can be taken into account.					

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:				

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	<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 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				

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	<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 Marketing in Specific Contexts III					
Module Code 1266MSMSC3	Workload 180h	ECTS Credits 6	Module Language English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Services and Media Marketing		Contact Hours 45h	Self-Studies 135h	Course Language English
2	Module Content The module contains conceptual and applied elements, including discussions and presentations of guest speakers from the world of marketing. In addition to attending lectures and participating in exercises, students are required to organise their own learning and working processes independently and self-responsibly.				
3	Learning Objectives Students... ... analyse current questions and challenges associated with the management of specific products or services. ... assess and discuss concepts for the planning and implementation of the marketing mix using examples of specific products/services.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Basic knowledge of 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 - Marketing: Specialisation Section Marketing Master of Science Gesundheitsökonomie: Supplementary Section Health Economics				
9	Module Manager Univ.-Prof. Dr. Marc Fischer				
10	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.				

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				

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	<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 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				

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	<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>

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

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	<p>Supplementary Section Corporate Development</p> <p>Master of Science Informatik: Anwendungsfeld</p> <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 Education Wirtschaftspädagogik/Lehramt an Berufskollegs: Ergänzungsbereich Wirtschaftspädagogik</p> <p>Master of Science Business Analytics & Econometrics: Supplementary Section Business Analytics & Econometrics</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</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... <ul style="list-style-type: none"> ... understand advanced, specialized theories / methods in the area of operative controlling. ... communicate continuously and purposefully in diverse teams. ... discuss scientific topics in a professional manner and appropriate to the situation with (non-) specialists. ... develop work processes for real problems and challenges. 				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements Recommendation: Basic knowledge of internal and external accounting, investment, financing and decision theory				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module <ul style="list-style-type: none"> Master of Science Business Administration - Supply Chain Management: Supplementary Section Supply Chain Management Master of Science Business Administration - Marketing: Supplementary Section Marketing Master of Science Business Administration - 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 				

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	<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 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:				

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	<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>

Studies Abroad in Management II						
Module Code 1014MSSAM2		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... ... analyse current questions and challenges. ... 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. ... critically evaluate current social developments and develop alternative solutions.					
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 Gesundheitsökonomie: Supplementary Section Health Economics					
9	Module Manager					
10	Miscellaneous Language: Can be offered in English or in any language possible at the host university. This module can be studied at a higher education institution in another country. There is a standardised accreditation procedure for such cases. Information about course accreditation (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. Health Economic/ BusAd/Sociology/Economic Modules from the semester abroad can be taken into account.					

3.6.4 Master Thesis

Master Thesis in Health Economics					
Module Code 1282MMHEC1	Workload 900h	ECTS Credits 30	Module Language German and English	Module Availability every term	Duration 1 Term
1	Courses		Contact Hours	Self-Studies	Course Language
2	Module Content The topic of the master's thesis on the Health Economics programme must come from the core and advanced area or the specialisation area.				
3	Learning Objectives Students... ... collect, systematize and synthesize independently literature on selected scientific questions. ... write an academic paper on a selected topic and achieve thereby their own scientific contribution. ... justify and defend (independently developed) positions or problem solutions. ... evaluate their own action processes in self- and external reflection and identify development potentials. ... use techniques of scientific work and good scientific practice.				
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 Gesundheitsökonomie: Master Thesis in Health Economics				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous The master's thesis may be written in German or English. It is also possible to combine the master's thesis with an internship. The internship is voluntary and is not part of the curriculum. If you are interested in such a combination, please contact the desired chair early enough to explain whether supervision can be guaranteed. Each chair decides independently whether a master thesis is supervised in combination with an internship. Further information on this topic are also available at the WiSo-Student Service Point.				