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Please note the year of validity of the module catalogue.

FACULTY OF MANAGEMENT,
ECONOMICS AND SOCIAL
SCIENCES

UNIVERSITY OF COLOGNE

VICE DEAN OF STUDIES
DEPARTMENT



valid for students of the
Examination
Regulations 2015

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

MODULE CATALOGUE

HEALTH ECONOMICS

BACHELOR OF SCIENCE

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

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Lists of abbreviations

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

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1 Health Economics

Health economics is an interdisciplinary science that occupies its place between economics and medicine. The B.Sc. in Health Economics at the University of Cologne is the only course of studies in Germany to offer both courses at a Faculty for Management, Economics and Social Sciences as well as at a Faculty for Medicine.

The starting point for all considerations is the assumption that the production factors with which health care services are created, such as manpower, capital or materials, are not available indefinitely. The aim of health economics is to use these resources effectively and economically and thus to make optimum use of them. The acquisition of basic medical knowledge enables the understanding of health economic and medical aspects.

The Bachelor's programme in Health Economics prepares students to understand the complexity of subject-specific issues and to be able to solve them in the best possible way.

1.1 Content and objectives of the programme

Health economics as an interdisciplinary science at the University of Cologne is based on three pillars: the entrepreneurial business perspective (WiSo Faculty), the higher system perspective (WiSo Faculty) and the medical perspective (Medical Faculty). The contents are conveyed by means of practice-relevant seminars and lectures with a national focus. This offers students a high degree of initiative and individual development potential. Thus, operative insights are offered without neglecting the theoretical overall context of the complex health care system. Furthermore, competences for the design of economic and organisational processes in the health care sector are acquired. This well-founded and wide-ranging education provides Bachelor graduates with a wide range of entry opportunities. In the course of their studies, students acquire skills in the design of economic and organisational processes in the healthcare sector.

The graduates have competences at level 6 of the German Qualification Framework or the Bachelor level of the German Qualification Framework for Higher Education Qualifications. Their specific formulation as *Intended Learning Outcome* is:

Graduates...

...understand, reproduce and assess theories, concepts and perspectives (e.g. in the areas of economics, business administration, scientific theory, health care management, health policy, quality management and evidence based medicine).

...analyse current economic questions and challenges regarding market, business and quality processes with the primary focus on health care.

...comprehend health economic methods and use them problem solving oriented.

- ...reproduce medical expertise and/or understand methods for evaluating clinical trials.
- ...use health economic and/or economic and/or statistical methods reasonably (inter alia) in the fields of pricing, quantitative methods, health care management, quality management and HTA.
- ...apply their knowledge to subject-specific situations and deal with different conditions.
- ...apply concepts of analysis and structuring to case studies.
- ...collect, systematise and define literature and data material (e.g. study report) for scientific papers/questions on a selected topic.
- ...prepare independently an academic paper/thesis on a selected topic under the advisor's guidance.
- ...work constructively and cooperatively in teams.
- ...present and/or discuss academic topics and problems.
- ...justify argumentatively and evaluate independently positions, solutions to problems or processes.
- ...organise independently their own work and learning processes.
- ...select and apply relevant information to derive scientifically-based decision.
- ...avail of an ethical concept for corporate/clinical actions.
- ...evaluate their own action processes by self- and external-reflexion.

After graduation, consulting and advisory activities in both private and public companies, such as clinics, large medical practices, health insurance companies, institutions, organizations and companies in the health care industry, as well as in the sports and fitness, prevention and rehabilitation sector, are a possible option. In addition to the core area of medical treatment and care, services in the health sector are also required in the areas of prevention and aftercare/rehabilitation. In the other areas of work, there are also clubs in the sports, fitness and education sector, social institutions and social insurance institutions. In the administrative and commercial fields of activity of these sectors, graduates of health economics find their employment possibilities in the areas of organisation and communication, accounting and cost control, planning and control of projects and investments. The specific profile lies in the fact that the commercial-administrative ways of thinking, which are often co-determined by the conditions of the social security system, can be linked to medical-nursing or diagnostic-technical aspects by the graduates. Graduates build a bridge between economic and medical reasoning and can critically counter one-sided interpretations of decisions, which can occur especially in the field of consulting. The acquisition of basic medical knowledge enables them to understand health economic and medical aspects. The Bachelor's programme in Health Economics prepares students to understand the complexity of subject-specific issues and to be able to solve them in the best possible way.

1.2 Requirements

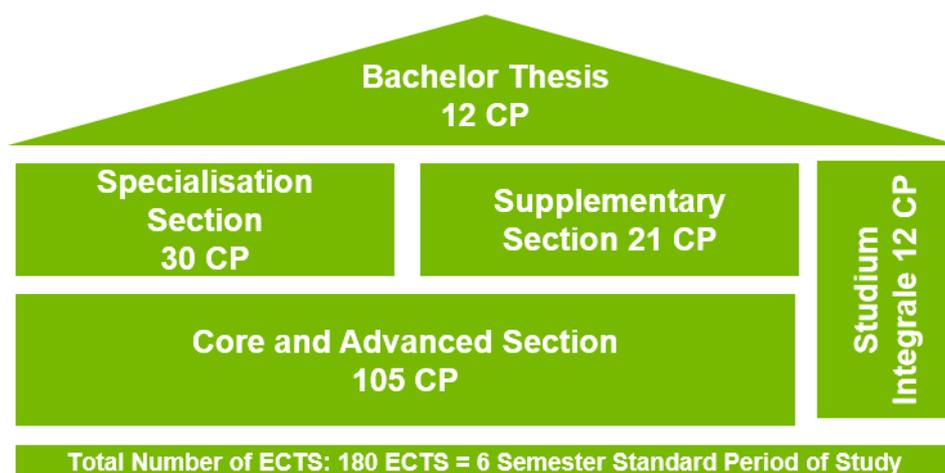
Successful students will have the following subject-related, methodical and personal strengths and aptitudes:

- good mathematical and analytical skills,
- ability to think abstractly and conceptually,
- good communication skills in German and English,
- ability to perform independent, goal-driven and result-oriented work,
- a keen interest in economic issues.

1.3 Programme structure and sequence

The bachelor's programme of Health Economics comprises 180 credit points, is designed for a standard study period of six semesters and is made up of the following four sections:

The Core and Advanced Section with 105 Credit Points (CP) comprises basic modules from basic business, health economics and medical modules. All modules in this section are compulsory. The Supplementary Section with 21 CP contains supplementary modules of economics and methods. A total of 12 CP Methods and 9 CP Economics are to be chosen. The Specialisation Section with 18 CP comprises three seminars from which one or two can be chosen. In addition, further health economic modules are located there, in which a total of 18 to 24 CP must be achieved. The obligatory thesis in the degree course Health Economics (12 CP) and the interfaculty Studium Integrale (SI, 12 CP) are the last sections.



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 as well as support in the organisation of the semester abroad by the International Relations Center (ZIB WiSo). Additionally, they are exempt from paying tuition fees there. The range of universities available depends on the bachelor course in which the student is enrolled – the possible options are listed in the WiSo Exchange (WEX) (access through the student's UoC account only), along with detailed information on each university.

In addition to these options offered by the Faculty, bachelor 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.

1.4.1 The Faculty's Study Abroad Programme (STAP)

Bachelor students should plan their application for a term abroad at the beginning of their bachelor studies. The main selection round for STAP takes place once a year, ending on 15th January. It allows for an application either for the fall term or the 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.

If there are still places available after the main selection round has been completed, another small secondary selection round will be offered between April and June 1st. In this round, students can only apply for the following summer semester.

STAP Bachelor – 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 Bachelor – 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 preference lists (if taken until 1 hour): 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.

1.4.2 Credit transfer options from studies abroad

The WiSo Faculty has put a lot of emphasis on internationalisation in the design of its bachelor programmes, offering broad credit transfer options for all kinds of study abroad options. Each bachelor 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. Moreover, students have the option of crediting courses from the semester abroad as part of their Studium Integrale.

For any questions regarding credit transfer, students can contact the [ZIB WiSo](#) or the [WiSo Credit Transfer Center](#).

1.5 Module study plan sequence

Due to several factors you need to plan your studies more and more individually. This is caused for example by the fact that some Specialisation Modules cannot be finished within one term or are solely offered in the winter or summer term. Thus, the following sequences are only recommendations, from which you can or have to diverge depending on your individual study plan.

B.Sc. Health Economics (Start Winter Term)				
Term	CC/ EC	Module	Section	CP
Winter term				
1	CC	CM Health Systems I	Core and Advanced Section	6
1	CC	Core Module Terminology	Core and Advanced Section	6
1	CC	Core Module Decision Analysis	Core and Advanced Section	6
1	CC	Core Module Quantitative Methods	Core and Advanced Section	9
Summer term				27
2	CC	Core Module Fundamentals of Business Administration	Core and Advanced Section	12
2	CC	Core Module Fundamentals of Economics	Core and Advanced Section	12
2	CC	CM Casuistry A	Core and Advanced Section	6
Winter term				30
3	CC	CM Health Economics I	Core and Advanced Section	6
3	CC	CM Health Economics II	Core and Advanced Section	6
3	CC	CM Casuistry B	Core and Advanced Section	6
3	CC	CM Healthcare Management	Core and Advanced Section	9
Summer term				27
4	CC	CM Health Economics III	Core and Advanced Section	9
4	CC	CM Health Economics IV	Core and Advanced Section	6
4	CC	CM Health Systems II	Core and Advanced Section	6
4	EC	Methods in Management and Economics I	Supplementary Section	6
4	EC	Specialisation Module I	Specialisation Section	6
Winter term				33
5	EC	Core Module Management and Economics	Supplementary Section	9
5	EC	Methods in Management and Economics II	Supplementary Section	6
5	EC	Specialisation Module II	Specialisation Section	6
5	EC	Specialisation Module III	Specialisation Section	6
5	CC	Studium Integrale	Studium Integrale	6
Summer term				33
6	EC	Specialisation Module IV	Specialisation Section	6
6	EC	Specialisation Module V	Specialisation Section	6
6	CC	Studium Integrale	Studium Integrale	6
6	CC	Bachelor Thesis Health Economics	Thesis	12
				30

1.5.1 Study plans including a semester abroad

a) Adaption

The fifth semester is mostly suitable for studying abroad.

In view of the model study plan sequence and the credit transfer options in the Specialisation Section (12 CP), Supplementary Section (9 CP) as well as in the Studium Integrale (12 CP) the two parts of the Studium Integrale should be positioned in the fifth semester in the case of an **exemplary** stay abroad. The Module Methods in Management and Economics II can be positioned in the sixth semester by a suitable choice of the offered modules.

b) General remarks

For questions about studying abroad the ZIB WiSo is at your disposal.

Additionally, it is always possible not to request a semester on leave (*Urlaubsemester*) if you spend a semester abroad such that examinations can be taken upon return to the University of Cologne (if it is individually feasible).

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 each examination are determined by the respective examiners. The overall mark for the bachelor degree combines the marks for the various sub-categories, weighted based on the respective number of credit points attainable and each sub-category's contribution towards the overall mark for the examinations for which marks are given. The marks for the sub-categories are calculated as the mean of the examination results in line with the weighting for each examination in terms of the credit points it contributes to the overall mark for the examinations in the respective category for which marks are given. If the result of a module examination is calculated based on several components, the mark is calculated based on a weighting given in the module description. 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 bachelor

thesis. On the Health Economics programme, the weighting for the contributions to the overall mark are as follows:

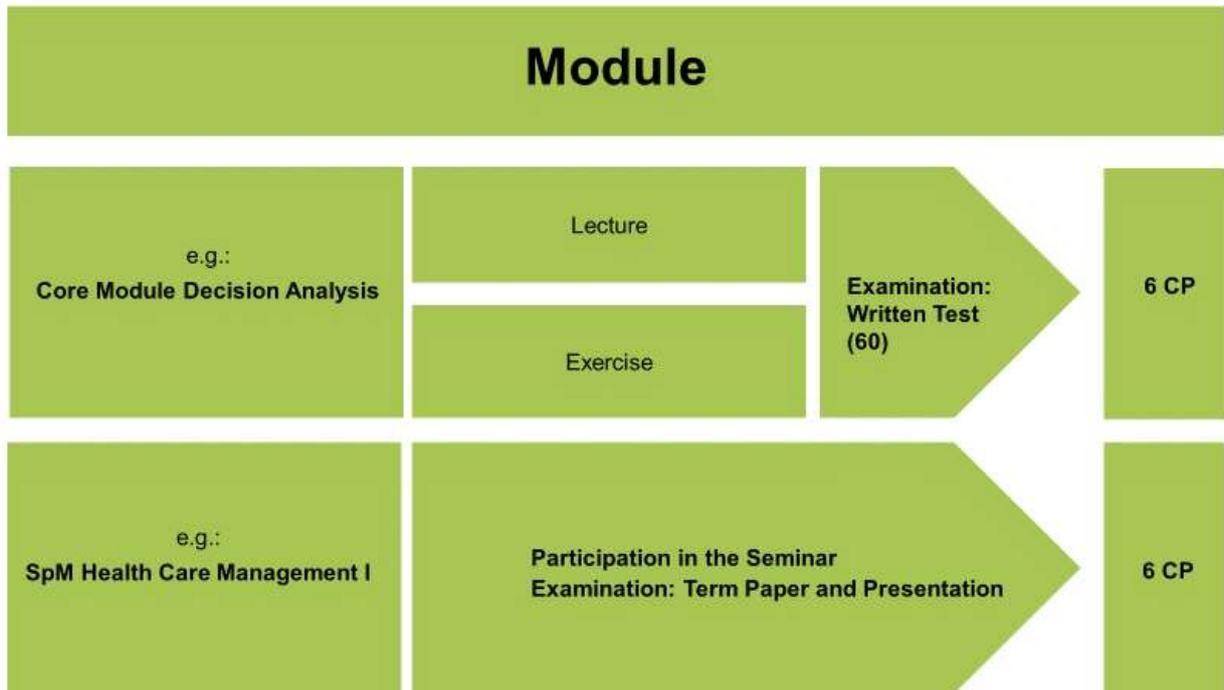
- a) Mark for Core and Advanced Section: 105 of 168 CPs
- b) Mark for Supplementary Section: 21 of 168 CPs
- c) Mark for Specialisation Section: 30 of 168 CPs
- d) Mark for Bachelor Thesis: 12 of 168 CPs.

1.8 Modularity

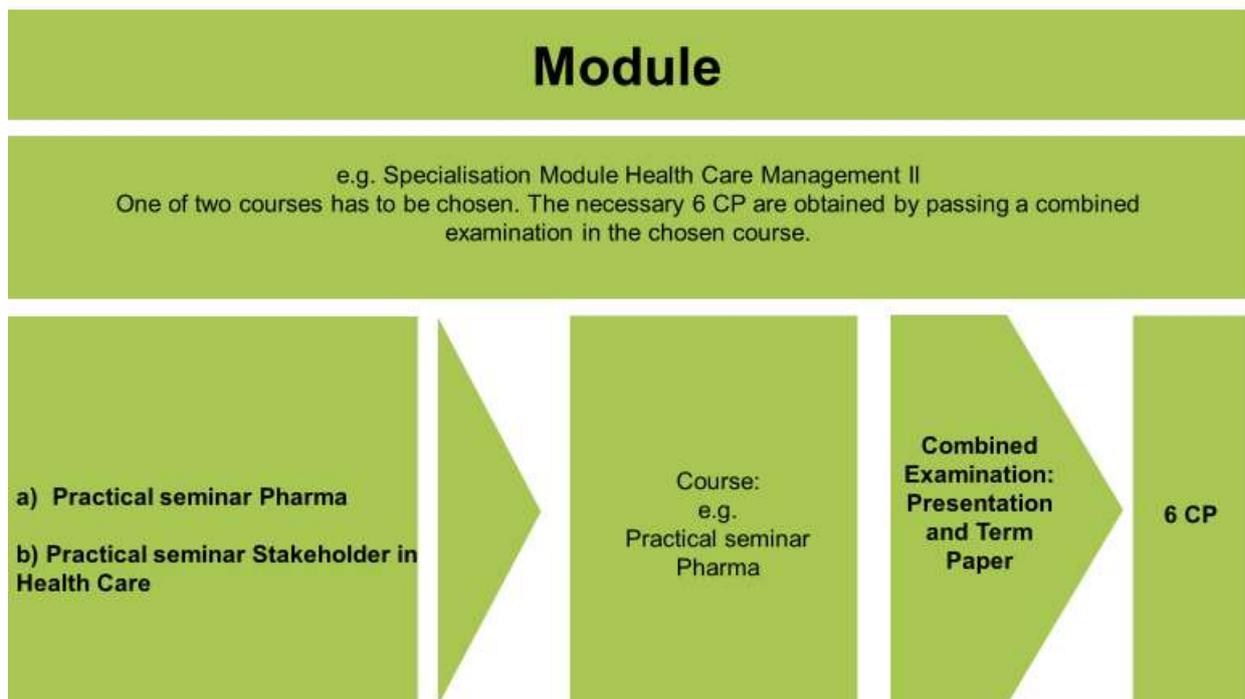
The subject categories on the bachelor programmes are divided into modules, the contents of which are presented in the module descriptions. The bachelor module catalogue can be viewed in the [download section](#) of the WiSo Student Services (“WiSo-Studienberatungszentrum”) website. Students who pass the necessary examinations are awarded credit points as proof of their successful participation in a module. The module examinations are taken at regular intervals during the programme. Each module consists of various parts and can usually be completed in one or two terms. You will find this information in the “Duration” section of the module description. A module can consist of lectures, exercises and/or tutorials on the same subject. There are also modules that only comprise one type of class, e.g. a seminar. In some cases, modules offer students a choice between various courses and they are required to take one or more of them. In these cases, the examination can consist of two components (written test in course 1 and a term paper in course 2) or take the form of one, combined examination (a written test covering the content of courses 1 and 2).

When planning your studies, please remember that not every module is offered every term. To find out whether a module is being offered, refer to the “Module availability” section of the module description.

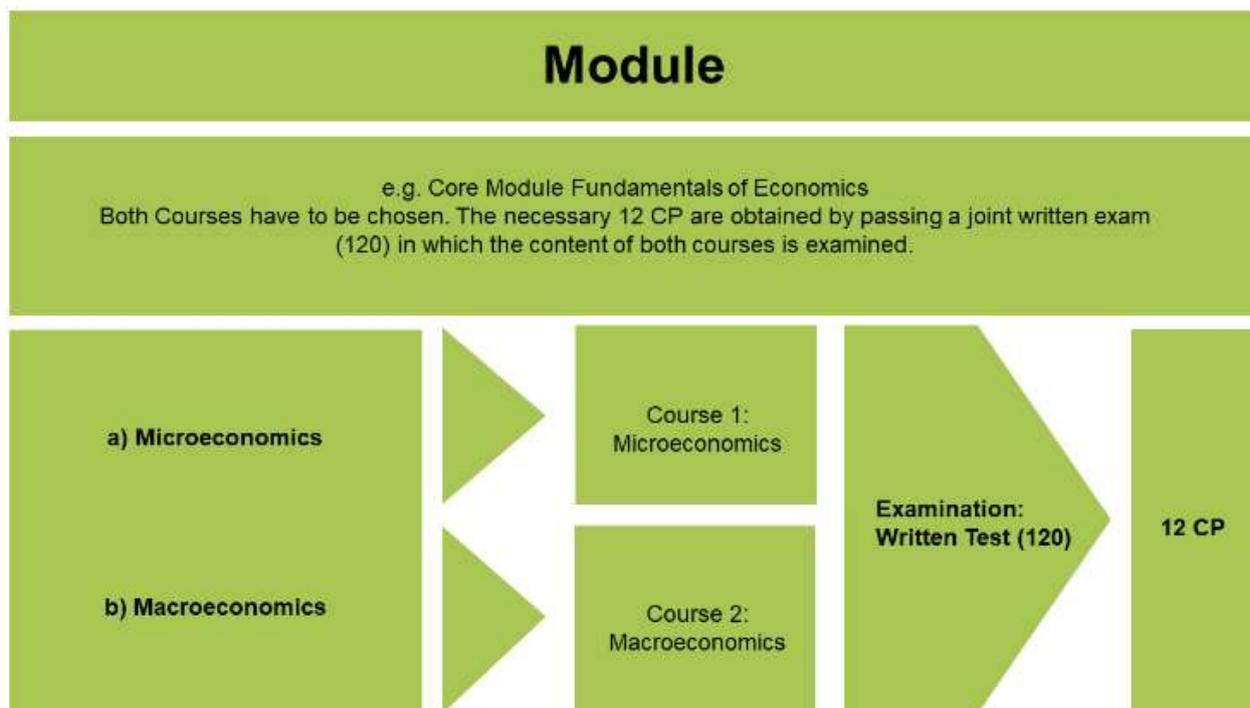
The following examples are to be understood exclusively as illustrations of the individual scenarios; they do not necessarily include modules of the present study programme.



Scenario 1: The module comprises additional courses on the same topic.



Scenario 2: One of the two courses must be chosen and the exam must be passed.



Scenario 3: Several courses are combined and at the end a test on the contents of all courses is completed successfully and the CP are thus acquired.

1.9 Rules for failed attempts

Students may retake module examinations that they have failed. The number of attempts is limited to three per module.

In addition, additional three resit attempts can be granted to students at any point of the programme. Students who have accumulated at least 140 credit points are granted a further additional attempt. If a student fails an examination in the three additional attempts and the extra attempt for students with 140 points or more, they are deemed to have failed the programme at the final attempt. However, students may only be eligible for additional attempts beyond the initial three attempts if none of the first three examination attempts were failed due to cheating or to an offence. If the candidate fails a module examination three times, he or she will receive a written notification informing him or her of the options available. We recommend all students who fail the initial three attempts to seek advice from WiSo Student Services (“WiSo-Studienberatungszentrum”) before embarking upon an additional 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 retake module examinations that have already been passed.

A failed bachelor 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 organization tool. Students should use it as an online course catalogue, for registration and deregistration of courses and examinations, as well as an overview of the complete study programme and calendar. Information on current dates and deadlines of the WiSo faculty, as well as video tutorials and FAQs about KLIPS can be found on the homepage of WiSo-KLIPS-Support. If you have further questions, feel free to contact WiSo-KLIPS-Support via e-mail (klips-wiso@uni-koeln.de). For account questions, contact the central KLIPS support.

2.2 Exam registration in KLIPS 2.0

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

All WiSo Faculty examination candidates are entitled to see their examination papers after they have been marked. For more information, please visit the WiSo Examination Office website.

2.3 Subject-specific and examination advice

General advice for students, especially regarding study options and programme requirements, is available from WiSo Student Services (“**WiSo-Studienberatungszentrum**”) for all programmes at the WiSo Faculty. The WiSo Student Services also offer subject-specific recommendations for students’ study plans for the first semester plus information on how the individual programmes are structured. The WiSo Student Services are also the first place students should turn to if they have any other questions or problems concerning their studies. The centre can be contacted by telephone, in person or by email. The opening hours and contact data can be found on the corresponding webpage.

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. It also issues transcripts of records in German and English, ranking certificates and letters of assignment to the appropriate term of the programme. All the necessary information, contact details and opening hours can be found on the corresponding webpage.

2.4 Academic Working

To support the academic writing of term and final papers, the University of Cologne offers various courses to practice the process of academic writing by students. These include:

a) Writing advice/consultation

The Kompetenzzentrum Schreiben, the Professional Center, the Kölner Studierendenwerk and the programme SchreibArt offer advice as well as courses related to the issues that arise when writing an academic paper.

b) Literature research

The university library offers various courses especially for researching literature.

c) Text processing and literature administration

The Regionales Rechenzentrum provides courses regarding text processing and literature administration.

Students can register for the courses of the Professional Center and the SchreibArt programme in the **Studium Integrale** under „Kompetenzen für das Studium“ (competencies for studies). There are even more offers made by the WiSo Faculty that can be elected in the **Studium Integrale**. Hence, these courses can be credited for your studies.

2.5 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 Centre (“Zentrum für Internationale Beziehungen” or “ZIB”) for help with any questions they have. Cologne University students preparing to study abroad can also contact the ZIB for support. The Centre also runs a variety of summer schools, short programmes and Business English courses. The services, courses and people to contact can be found on the corresponding webpage.

The Faculty’s Credit Transfer Centre (“Zentrum für die Anrechnung auswärtiger Leistungen”) is responsible for recognising credits accumulated in other institutions. This applies both to credits students have gained at other higher education institutions in Germany or abroad prior to studying at the WiSo Faculty, and to (advance) transfer of credits that students plan to accumulate abroad or have already accumulated abroad as part of a WiSo Faculty programme. This system eliminates the need to make individual inquiries to departments/institutes and examination offices. Students can find out everything they need to know about the transfer process on the corresponding webpage.

The WiSo Career Service offers advice and support 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. It also works with other partners in the Faculty and the University to support and guide students as they decide on a career path.

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

In case of study-related or personal difficulties, the psychosocial counselling (“Psycho-Soziale Beratung”) of the Kölner Studierendenwerk can be called upon. In addition to psychological and social counselling, it also offers writing and learning counselling and support for pregnant women and students with children.

As a further offer, there is Nightline Cologne, the listening and information telephone of students for students. It is available to all students at Cologne universities and colleges.

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**](http://wiso-buero.uni-koeln.de) or by directly writing an email to [**wiso-buero@uni-koeln.de**](mailto:wiso-buero@uni-koeln.de).

3 Module tables and descriptions

3.1 Core and Advanced Section

In accordance with Section 29(1), No. 1 of the Examination Regulations, students must accumulate 105 CPs in the Core and Advanced Section.

Group	Module	CP	CC/EC	Reqd. CP
Core	CM Fundamentals of Business Administration	12	CC	33
	CM Fundamentals of Economics	12	CC	
	Core Module Quantitative Methods	9	CC	
Health Economics	CM Healthcare Management	9	CC	45
	CM Health Systems I ¹	6	CC	
	CM Health Systems II ²	6	CC	
	CM Health Economics IV ³	6	CC	
	CM Terminology	6	CC	
	CM Casuistry A ⁴	6	CC	
	CM Casuistry B ⁵	6	CC	
Methods in Health Economics	CM Health Economics I ⁶	6	CC	27
	CM Health Economics II ⁷	6	CC	
	CM Health Economics III ⁸	9	CC	
	CM Decision Analysis	6	CC	

¹ The registration for the examination is not possible if the examination for the compulsory module "Core Module Institutions and Institutional Players" has already been successfully completed.

² The registration for the examination is not possible if the examination for the compulsory module "Core Module Economic Analysis of the Health Care System" has already been successfully completed.

³ The registration for the examination is not possible if the examination for the compulsory module "Core Module Quality Assurance and Quality Management" has already been successfully completed.

⁴ The registration for the examination is not possible if the examination for the compulsory module "Core Module Case Studies II" has already been successfully completed.

⁵ The registration for the examination is not possible if the examination for the compulsory module "Core Module Case Studies I" has already been successfully completed.

⁶ The registration for the examination is not possible if the examination for the compulsory module "Core Module Methods of Clinical Epidemiology" has already been successfully completed.

⁷ The registration for the examination is not possible if the examination for the compulsory module "Core Module Evidence-based Medicine" has already been successfully completed.

⁸ The registration for the examination is not possible if the examination for the compulsory module "Core Module Health Economic Evaluation" has already been successfully completed.

3.2 Supplementary Section

In accordance with Section 29(1), No. 2 of the Examination Regulations, students must accumulate 21 CPs in the Supplementary Section.

Group	Module	CP	CC/EC	Reqd. CP
Methods in Management and Economics	SuM Health Law	6	EC	12
	Core Module Fundamentals of Accounting	6	EC	
	Advanced Module Statistics (SoWi)	6	EC	
	SpM Empirical Methods and Data Analysis	6	EC	
	CM Data Analysis in the Social Sciences	6	EC	
Management and Economics	Core Module Supply Chain Management	9	EC	9
	Core Module Corporate Development	9	EC	
	Core Module Marketing	9	EC	
	Core Module Finance	9	EC	
	Studies Abroad Management and Economics	9	EC	

3.3 Specialisation Section

In accordance with Section 29(1), No. 3 of the Examination Regulations, students must accumulate 30 CP in the Specialisation Section.

Group	Module	CP	CC/EC	Reqd. CP
Specialization Section	SpM Casuistic	6	EC	18 - 24
	SpM Health Economics I	6	EC	
	SpM Health Economics II	6	EC	
	SpM Health Economics III	6	EC	
	SpM Health Economics IV	6	EC	
	SpM Health Systems ¹	6	EC	
	Studies Abroad I (Bachelor)	6	EC	
	Studies Abroad II (Bachelor)	6	EC	
Seminar	SpM Health Care Management I	6	EC	6 - 12
	SpM Health Care Management II	6	EC	
	SpM Health Economics V	6	EC	

¹ This module will be offered for the last time in 2023/2024 in accordance with the planned schedule.

3.4 Studium Integrale

All of the Faculty's bachelor programmes include an interdisciplinary component, known as the Studium Integrale, in which students accumulate 12 credit points. The Studium Integrale is a university-wide and interdisciplinary component of the courses of study in which academic and professional competences are imparted. The Studium Integrale has both theoretical and practical content, enabling students to focus on more academic aspects or topics related to their future careers enhancing their employability. It aims to teach and develop skills that go beyond subject-specific knowledge or that are related to basic academic and personal traits: scientific curiosity, systematic and analytical thinking, and ability to deal with complexity, a solution-minded outlook plus other abilities such as teamwork and foreign language skills.

The Studium Integrale courses are run jointly by the faculties and the University's Professional Centre. They enable students to pursue their own interests in more depth, gain an insight into other subjects and departments, attend courses dealing with issues of relevance to society, acquire skills relevant to their future careers and attend language classes. The "Universitas" segment offers formats especially designed for the Studium Integrale, such as lecture series on societal issues with related workshops. In addition, the Studium Integrale offers students assistance with their learning and studying, helping them with such questions as how to write an academic paper or how to conduct literature reviews. Periods of training abroad and work experience can also be credited in the Studium Integrale. The Studium Integrale carries 12 credit points in total and formally counts as a module. There is no restriction on the number of attempts possible for Studium Integrale examinations.

Any credit points attained in the Studium Integrale over and above the 12 credit points specified in the study structure are shown on the transcript of records.

3.5 Bachelor Thesis

The Bachelor thesis carries 12 CPs and is written at the end of the programme. Its aim is to illustrate that the candidate is capable of working and reflecting independently 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 bachelor thesis in the degree course of Health Economics must be taken from one of the sub-categories “Methods in Health Economics” in the Core and Advanced Section or from the Supplementary Section respectively the Specialisation Section. The bachelor thesis can also be written in the form of a group work, if the contribution of each individual examinee can be clearly differentiated and evaluated. Individual contribution can be attributed on the basis of objective criteria, which enable clear differentiation, for example by specification of sections, page numbers or emphases on content. The overall effort required for a group work must extend appropriately beyond the requirements related to an individual task. Depending on the degree of difficulty and content, group work for the individual(s) must be measured such that it corresponds to the requirements for an individual and independent exam performance. The individual contribution of each individual must meet the requirements of a bachelor thesis.

At least 100 credit points should have been acquired to register for a bachelor thesis. The working time for the bachelor thesis is a maximum of 12 weeks starting with the disclosure of the topic. The bachelor thesis should basically not exceed 40 pages. If all the examinations besides the bachelor thesis have been taken, then the bachelor thesis must be officially started within one year. Detailed and additional information on the bachelor thesis is available in the examination regulation.

3.6 Module Descriptions

3.6.1 Core and Advanced Section

CM Fundamentals of Business Administration					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1230BBGDB1	360h	12	German	every term	1 Term
1	Courses Fundamentals of Business Administration		Contact Hours 90h	Self-Studies 270h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Management structures and models • Strategy and target systems of companies • Corporate functions and processes and their interrelationships • Analysis and design of service provision, in particular the deployment of personnel • Main features of the operational cost and performance accounting • Main features of the annual accounts • Main features of operational investment and financing decisions 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... analyse market and environment conditions for entrepreneurial action and their influence on corporate decisions. ... reflect and justify basic positions and basic standards (competition, freedom, social justice) of companies in a social market economy. ... structure corporate actions according to different process categories and differentiate between management, business and support processes. ... design individual management processes with the help of procedures and instruments (values, strategy and corporate goals, coordination and motivation, information and control system). ... make decisions for the design and optimization of business processes (customer attraction, customer loyalty, brand management, service delivery, service innovation) and use them to shape relationships with sales and procurement markets. ... select adequate financial management procedures for various business decisions and apply them in extracts (external accounting, internal controlling, investment and financial accounting). ... assess the success of corporate decisions with the help of key performance indicator systems and draw conclusions from them.				
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 Bachelor of Science Wirtschaftsmathematik:				

	<p>Business and Economics Sciences Bachelor Business Mathematics</p> <p>Bachelor of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Regional Studies China</p> <p>Bachelor of Arts Regionalstudien Lateinamerika - Volkswirtschaft: Economics Regional Studies Latin America, East and Middle Europe</p> <p>Bachelor of Science Wirtschaftsinformatik: Core and Advanced Section</p> <p>Bachelor of Arts Lehramt: Core Section</p> <p>Bachelor of Science Geographie: Business Administration Bachelor Geography</p> <p>Bachelor of Arts Medienwissenschaft: Media Management and Economics</p> <p>Bachelor of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Social Sciences Regional Studies Latin America, East and Middle Europe</p> <p>Bachelor of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Social Sciences Regional Studies Latin America, East and Middle Europe</p> <p>Bachelor of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Regional Studies Latin America, East and Middle Europe</p> <p>Bachelor of Science Mathematik: Business and Economics Sciences Mathematics</p> <p>Bachelor of Science Gesundheitsökonomie: Core and Advanced Section</p> <p>Bachelor of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Regional Studies China</p>
9	<p>Module Manager Geschäftsführende*r Direktor*in des Instituts für Berufs-, Wirtschafts- und Sozialpädagogik</p>
10	<p>Miscellaneous</p>

CM Fundamentals of Economics					
Module Code 1289BBGVL1	Workload 360h	ECTS Credits 12	Module Language German	Module Availability every term	Duration 1 Term
1	Courses a) Microeconomics b) Macroeconomics		Contact Hours a) 30h b) 60h	Self-Studies a) 150h b) 120h	Course Language a) German b) German
2	Module Content <ul style="list-style-type: none"> • Theory of household and demand • Theory of enterprise and supply • Theory of price formation • Market failure theory • Neoclassical and Keynesian macroeconomic theory • Causes of macroeconomic disturbances • The role of the state in the economy 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... apply theories in a solution-oriented way in the field of economics. ... know and understand common methods in the area of economics. ... discuss results with teaching staff and other students. ... develop an understanding of the impact of decisions that take into account economic, social and/or ethical criteria.				
4	Teaching and Learning Methods lecture practice tutorial				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (120)				
7	Prerequisites for Awarding of Credit Points Passing the module examination of course a) and b)				
8	Other Programmes that Use the Module Bachelor of Science Wirtschaftsmathematik: Business and Economics Sciences Bachelor Business Mathematics Bachelor of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Regional Studies China Bachelor of Arts Regionalstudien Lateinamerika - Volkswirtschaft: Economics Regional Studies Latin America, East and Middle Europe Bachelor of Arts Lehramt: Core Section Bachelor of Arts Medienwissenschaft: Media Management and Economics Bachelor of Science Sozialwissenschaften: Core and Advanced Section Bachelor of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Social Sciences Regional Studies Latin America, East and Middle Europe Bachelor of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften:				

	<p>Social Sciences Regional Studies Latin America, East and Middle Europe Bachelor of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Regional Studies Latin America, East and Middle Europe Bachelor of Science Mathematik: Business and Economics Sciences Mathematics Bachelor of Science Gesundheitsökonomie: Core and Advanced Section Bachelor of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Regional Studies China</p>
9	<p>Module Manager Dr.' Julia Fath</p>
10	<p>Miscellaneous In microeconomics, the preparation of classes is carried out with the help of e-lectures and e-homework. Both classes are tested in the same exam simultaneously!</p>

Core Module Quantitative Methods					
Module Code 1320BMQM00	Workload 270h	ECTS Credits 9	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Methoden der empirischen Sozialforschung		Contact Hours 30h	Self-Studies 240h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Introduction to basic terms and concepts of empirical social research • Introduction to the logic foundations of empirical social research • Introduction to the main methods of data collection in empirical social research 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories in the area of Methods of empirical social research. ... communicate continuously and purposefully within teaching and learning groups. ... develop an understanding of the impact of decisions that take into account environmental, social and/or ethical criteria.				
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 written test.				
8	Other Programmes that Use the Module Bachelor of Arts Regionalstudien China - Volkswirtschaftslehre: Economics Regional Studies China Bachelor of Arts Regionalstudien Lateinamerika - Volkswirtschaft: Economics Regional Studies Latin America, East and Middle Europe Bachelor of Arts Lehramt: Core Section Bachelor of Arts Medienwissenschaft: Media Management and Economics Bachelor of Science Sozialwissenschaften: Core and Advanced Section Bachelor of Arts Regionalstudien Lateinamerika - Sozialwissenschaften: Social Sciences Regional Studies Latin America, East and Middle Europe Bachelor of Arts Regionalstudien Ost- und Mitteleuropa - Sozialwissenschaften: Social Sciences Regional Studies Latin America, East and Middle Europe Bachelor of Arts Regionalstudien Ost- und Mitteleuropa - Volkswirtschaftslehre: Economics Regional Studies Latin America, East and Middle Europe Bachelor of Arts Regionalstudien China - Sozialwissenschaften: Social Sciences Regional Studies China Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				

	Bachelor of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Regional Studies China
9	Module Manager Univ.-Prof. Dr. Karsten Hank
10	Miscellaneous Relevant reading will be announced on time.

CM Healthcare Management					
Module Code 1282BBMMG1	Workload 270h	ECTS Credits 9	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Healthcare Management		Contact Hours 60h	Self-Studies 210h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Fundamentals of the managerial perspective in health care markets • Methodological basics in health care management • Quantitative techniques for the analysis of case studies in health care 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... use methods in case studies in a solution-oriented way. ... analyse current questions and challenges within the framework of prepared cases. ... establish and evaluate independently developed positions. 				
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 Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous In this module homework is given.				

CM Health Systems I					
Module Code 1282BBGHS1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Health care structure		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> The module deals with the institutional structures and actors of the German health care system. It provides an overview of the entire German health care system with all the essential forms of care. Questions of organisation, regulation, financing and remuneration of the statutory health insurance are in the foreground. Health reform policy discourses are examined on the basis of this basic knowledge. The approach is interdisciplinary and includes different, theoretically informed socio-political perspectives. 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories of the German health care system. ... establish and evaluate independently developed positions. ... present and discuss results with teaching staff and other students. ... question and critically reflect on current social developments. ... design their learning and working processes independently.				
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 Bachelor of Science Volkswirtschaftslehre sozialwissenschaftlicher Richtung: Specialization Section Bachelor of Science Volkswirtschaftslehre: Specialization Section Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous Lecturers: Prof. Dr. Andreas Lehr und Dr. Desdemona Möller, Sprache: deutsch				

CM Health Systems II					
Module Code 1289BBGHS2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Economic Fundamentals of Health Economics		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Information problems in the patient - insurance relationship: moral hazard, adverse selection, long-term insurance contracts (premium risk) • Information problems in the doctor - patient relationship: supply-induced demand, credence goods models • Information problems in the doctor - patient relationship - Insurance: global budgets, managed care 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories in the area of economics. ... analyse current questions and challenges within the framework of prepared cases. ... establish and evaluate independently developed positions. ... question and critically reflect on current social developments.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements The contents of the Core Module Fundamentals of Economics are assumed.				
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 Bachelor of Science Volkswirtschaftslehre sozialwissenschaftlicher Richtung: Specialization Section Bachelor of Science Volkswirtschaftslehre: Specialization Section Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Univ.-Prof. Dr. Steffen J. Roth				
10	Miscellaneous				

CM Health Economics IV					
Module Code 1282BBGOE4	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Quality Assurance and Quality Management		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Quality and risk management, process analysis techniques • Definition of objectives, development of indicators, measurement and presentation of quality and risks • Public presentation of quality and risks in health care • Certification • Cross-sectoral case studies 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... develop an understanding of the impact of decisions that take into account environmental, social and/or ethical criteria.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements Recommendation: CM Health Systems I				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Medizinische Fakultät Univ.-Prof. Dr. med.' Stephanie Stock				
10	Miscellaneous The lecture is supplemented by concrete case studies and business games. The development of independent solutions and the consolidation of key competences will be promoted. The materials will be made available on the Internet. Literature will be made available as required.				

CM Terminology					
Module Code 1282BBTER1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Medical Terminology		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Medical terminology • Structures and functions of the human body • Diseases • Diagnostic and therapeutic procedures • Drug classes • Simulation of everyday working life 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories in the area of medical terminology. ... use methods in pre-structured contexts in a solution-oriented way in the area of English and German medical terminology. ... communicate continuously and purposefully within teaching and learning groups. ... establish and evaluate independently developed positions.				
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 Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Univ.-Prof. Dr. med. Axel Karenberg Medizinische Fakultät				
10	Miscellaneous Acquisition of basic knowledge of the principles, concepts and practical application of medical terminology. Lecture with beamer presentation and video films. Parts of the lecture are available in the download area. (e-learning). Integrated exercises: Analysis and presentation of the selected specialist texts are carried out in group work and presented in plenary sessions. Essential literature: Karenberg, A.: Medical terminology in a quick course; for study and professional practice. Stuttgart: Schattauer Verlag.				

CM Casuistry A					
Module Code 1282BBKAS1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Relevant Clinical Pictures and Casuistry: Internal Medicine and Surgery II		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Terminology • Incidence and therapeutic effect • Economic relevance of important disease patterns in operative medicine • Principles of classification and severity classification of diseases • Cost-benefit analysis 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... use methods in pre-structured contexts in a solution-oriented way. ... collect, systematize and synthesize literature and data material for a scientific work on a selected topic. ... design their learning and working processes independently.				
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 Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Medizinische Fakultät Univ.-Prof. Dr. med. Dirk Stippel				
10	Miscellaneous Lecture with a large amount of time for discussion. The lecture is prepared with recommended reading and specific downloads. Participation in discussion desired.				

CM Casuistry B					
Module Code 1282BBKAS2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Relevant Clinical Pictures and Casuistry: Internal Medicine and Surgery I		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Terminology • Incidence and therapeutic effect • Economic relevance of important disease patterns in operative medicine • Evaluation of reviews and meta-analyses • Principles of classification and severity classification of diseases • Cost-benefit analysis 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... use methods in case studies in a solution-oriented way. ... use methods in case studies in a solution-oriented way. ... design their learning and working processes independently.				
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 Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Medizinische Fakultät Univ.-Prof. Dr. med. Dirk Stippel				
10	Miscellaneous Lecture with a large amount of time for discussion. The lecture is prepared with recommended reading and specific downloads. Participation in discussion desired.				

CM Health Economics I					
Module Code 1282BBGOE1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Methodology of clinical epidemiology		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Clinical-epidemiological studies • Types of clinical studies • Evidence-based Medicine 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... apply theories in pre-structured contexts in a solution-oriented way. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... establish and evaluate independently developed positions. 				
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 Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Prof. Dr. rer. medic. Martin Hellmich Medizinische Fakultät				
10	Miscellaneous Required literature: Fletcher, Fletcher and Wagner: Clinical Epidemiology				

CM Health Economics II					
Module Code 1282BBGOE2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Evidence-based medicine		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Fundamentals of evidence-based medicine and scientific knowledge • Clinical studies on therapeutic and diagnostic issues • Databases, systematic information retrieval and evaluation • Biometric principles for the analysis of medical studies • Effect quantification, error sources and error evaluation • Evaluation of aggregated information (guidelines, meta-analyses, etc.) • Legal implementation of evidence-based medicine in Germany 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... know and understand common methods. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... establish and evaluate independently developed positions.				
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 Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Medizinische Fakultät Prof. Dr. med. Stefan Sauerland				
10	Miscellaneous The module is complemented by practice in which assigned exercises are discussed.				

CM Health Economics III					
Module Code 1282BBGOE3	Workload 270h	ECTS Credits 9	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Health economic evaluation		Contact Hours 30h	Self-Studies 240h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Introduction to health economic evaluation • Assessment of costs and benefits • Comparative and non-comparative studies • Assessment of quality of life • Modelling • Bases of reimbursement decisions 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... apply theories in pre-structured contexts in a solution-oriented way. ... know and understand common methods. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... establish and evaluate independently developed positions. ... develop an understanding of the impact of decisions that take into account environmental, social and/or ethical criteria. ... design their learning and working processes independently. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements Recommendation: Knowledge of evidence-based medicine, statistics 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 Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Medizinische Fakultät Dr. rer. pol. Dirk Müller				
10	Miscellaneous The module is supplemented by self-study of examination-relevant specialist literature and an accompanying exercise.				

CM Decision Analysis					
Module Code 1282BBEDT1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Decision theory		Contact Hours 60h	Self-Studies 120h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Fundamentals of rational decision-making • Structuring and differentiation of complex decision situations with regard to different characteristics • Description of theoretical prerequisites for the application of decision theoretical methods • Application of methods to practical examples • Determination and justification of optimal alternatives using formal procedures 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... know and understand common methods. ... use methods in pre-structured contexts in a solution-oriented way. ... communicate continuously and purposefully within teaching and learning groups.				
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 Bachelor of Science Betriebswirtschaftslehre: Supplementary Section Bachelor of Science Gesundheitsökonomie: Core and Advanced Section				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous The event is offered in the second term. An exam is offered both after the second term and during the semester break.				

3.6.2 Supplementary Section

SuM Health Law						
Module Code 1282BEGHR1		Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Health Law			Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Europe, federal government, federal states, fundamental questions • The physician: access to the medical profession, professional code of conduct • The treatment contract: information requirements, documentation, private liquidation law • The treatment contract: right of self-determination - information / consent • Treating liability (physician and hospital) • Medical work at the beginning and end of life (embryo protection, IVF, active and passive euthanasia, dying) • Abortion • Statutory health insurance law: insurance obligations, benefit law • Statutory health insurance law: organisation and financing of health insurance funds • Statutory health insurance law: contract doctor law I • Statutory health insurance law: contract doctor law II • Statutory health insurance law: contract doctor law III • Joint Federal Committee, IQWiG; Integrated Care • Data Protection in Health Care - Obligations of Confidentiality • Hospital financing and planning • Pharmacy and pharmaceutical law; law of other service providers 					
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... establish and evaluate independently developed positions. ... develop an understanding of the impact of decisions that take into account environmental, social and/or ethical criteria.					
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 Bachelor of Science Gesundheitsökonomie: Supplementary Section					

9	Module Manager Patricia Bals Prof. Dr. Martin Rehborn
10	Miscellaneous Essential reading will be announced every semester

Core Module Fundamentals of Accounting					
Module Code 1016BMTR00	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Fundamentals of Accounting		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Distinction between external and internal accounting • Balance sheets and balance sheet changes • Double-entry bookkeeping • Structure of bookkeeping and financial accounting • Organisational structure of bookkeeping • Legislation relating to bookkeeping • Complete bookkeeping system from the opening to the closing balance sheet, overview of general ledgers • More in-depth look at booking trade in goods, taxes, payroll entries, write-downs, accruals/deferrals, provisions, securities and foreign exchange 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know basic principles in accounting. ... acquire knowledge with which they can understand bookkeeping. ... understand legal aspects of accounting in Germany. ... assign items to external or internal accounting. ... recognise the point of balance sheets, which provides them with an essential basis for further accounting courses. ... apply the double-entry bookkeeping technique to new business transactions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Bachelor of Science Volkswirtschaftslehre: Supplementary Section Bachelor of Science Betriebswirtschaftslehre: Core and Advanced Section Bachelor of Science Gesundheitsökonomie: Supplementary Section				
9	Module Manager Dr.‘ Stefanie Liesenfeld				
10	Miscellaneous				

Advanced Module Statistics (SoWi)					
Module Code 1320AMSt00	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Regression Analysis in the Social Sciences (Part 1)		Contact Hours 45h	Self-Studies 135h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Linear regression • Logistical Regression • Regression diagnostics and different measures of model quality • Advanced regression techniques • Longitudinal methods • Computer-aided data analysis 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic analytical methods in the area of regression analysis. ... know and understand common methods of statistical data analysis. ... use regression analysis methods in pre-structured contexts in a solution-oriented way. ... communicate continuously and purposefully within teaching and learning groups. ... present and/or discuss results with teaching staff and other students. ... design their learning and working processes independently. ... reflect their own performance and implement feedback constructively.				
4	Teaching and Learning Methods lecture practice tutorial				
5	Module Entry Requirements Recommended: Core Module Statistics (SoWi)				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Bachelor of Science Sozialwissenschaften: Core and Advanced Section Bachelor of Science Gesundheitsökonomie: Supplementary Section				
9	Module Manager Univ.-Prof. Dr. Eldad Davidov				
10	Miscellaneous Relevant reading will be announced on time.				

SpM Empirical Methods and Data Analysis					
Module Code 1314BSMDA1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Selected Quantitative Methods		Contact Hours 45h	Self-Studies 135h	Course Language German and English
2	Module Content Selected advanced topics in econometrics, for example: <ul style="list-style-type: none"> • Asymptotic properties of the OLS estimator • general estimation principles • heteroscedasticity • instrumental variables • introduction to time series analysis (unit root tests, GARCH) 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand common methods in the area of econometrics and statistics. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse (current) questions and challenges within the framework of pre-structured contexts. ... establish and evaluate independently developed positions. ... design their learning and working processes independently.				
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 Bachelor of Science Volkswirtschaftslehre sozialwissenschaftlicher Richtung: Core and Advanced Section Bachelor of Science Volkswirtschaftslehre: Core and Advanced Section Bachelor of Science Betriebswirtschaftslehre: Supplementary Section Bachelor of Science Gesundheitsökonomie: Supplementary Section				
9	Module Manager Univ.-Prof. Dr. Dominik Wied				
10	Miscellaneous				

CM Data Analysis in the Social Sciences					
Module Code 1320BBSSD1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Introduction to Data Analysis in the Social Sciences		Contact Hours 60h	Self-Studies 120h	Course Language German and English
2	Module Content <ul style="list-style-type: none"> • Descriptive Analyses of single variables • Analyses of associations of two (or more) variables • Probabilities and distributions • Estimation and hypotheses testing • Application of statistical software 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories and statistical analyses of social empirical research. ... know and understand common methods in the area of quantitative statistical analyses. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse (current) questions and challenges within the framework of pre-structured contexts. ... communicate continuously and purposefully within teaching and learning groups.				
4	Teaching and Learning Methods lecture practice tutorial				
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 Bachelor of Science Sozialwissenschaften: Core and Advanced Section Bachelor of Science Gesundheitsökonomie: Supplementary Section				
9	Module Manager Univ.-Prof. Dr. / Marita Jacob				
10	Miscellaneous				

Core Module Supply Chain Management					
Module Code 1271BMSC01	Workload 270h	ECTS Credits 9	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Operations Management		Contact Hours 45h	Self-Studies 225h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Fundamentals of Operations Management • Demand Forecasting • Inventory Management • Production Planning • Supply Chain Management • Location Planning • Process Design 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories in the area of supply chain management. ... know and understand common methods in the area of supply chain management. ... use methods in the area of supply chain management in pre-structured contexts in a solution-oriented way. ... analyse (current) questions and challenges within the framework of pre-structured contexts. ... present and/or discuss results with teaching staff and other students. ... develop an understanding of the impact of decisions that take into account environmental, economic, social and/or ethical criteria.				
4	Teaching and Learning Methods lecture practice tutorial				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Bachelor of Science Volkswirtschaftslehre: Supplementary Section Bachelor of Science Wirtschaftsinformatik: Supplementary Section Bachelor of Arts Lehramt: Core Section Bachelor of Science Betriebswirtschaftslehre: Core and Advanced Section Bachelor of Science Gesundheitsökonomie: Supplementary Section Bachelor of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Regional Studies China				

9	Module Manager Univ.-Prof. Dr. Ulrich W. Thonemann
10	Miscellaneous

Core Module Corporate Development					
Module Code 1253BMCD01	Workload 270h	ECTS Credits 9	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Corporate Development I (2. Midterm)		Contact Hours 60h	Self-Studies 210h	Course Language German
2	Module Content This course first introduces foundations of Corporate Governance and Corporate Strategy. Building on this, concepts of Organizational Design and Instruments of Human Resource Management are presented and analysed.				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories in the area of corporate governance, business strategy, organizational design and HR-management. ... apply theories in pre-structured contexts (e.g. case studies) in a solution-oriented way. ... analyse (current) questions and challenges within the framework of pre-structured contexts. ... establish and evaluate independently developed positions. ... develop an understanding of the impact of decisions that take into account environmental, economic, social and/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 (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Bachelor of Science Volkswirtschaftslehre: Supplementary Section Bachelor of Science Wirtschaftsinformatik: Supplementary Section Bachelor of Arts Lehramt: Core Section Bachelor of Arts Medienwissenschaft: Media Management and Economics Bachelor of Science Betriebswirtschaftslehre: Core and Advanced Section Bachelor of Science Gesundheitsökonomie: Supplementary Section Bachelor of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Regional Studies China				
9	Module Manager Univ.-Prof. Dr. Anne Burmeister Univ.-Prof. Dr. Matthias Heinz				

	Univ.-Prof. Dr. Bernd Irlenbusch Univ.-Prof. Dr. Dirk Sliwka
10	Miscellaneous

Core Module Marketing					
Module Code 1266BMMa00	Workload 270h	ECTS Credits 9	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Einführung ins Marketing (1. Midterm)		Contact Hours 60h	Self-Studies 210h	Course Language German
2	Module Content The module covers theories and methods to analyse key marketing decision problems and to develop sound recommendations how to solve these decision problems. To this end, it looks at (i) consumers' responses to marketing activities and the underlying psychological mechanisms (consumer behaviour), (ii) the collection and analysis of data about markets and key stakeholders (e.g., consumers) which serves as the empirical basis for decision-making (market research), (iii) the marketing planning process (strategic marketing decisions), and (iv) marketing mix decisions (e.g., brand/product, price, etc.).				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories of a market-oriented management of businesses. ... know and understand common marketing planning methods, including strategic marketing decisions and marketing mix decisions.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Bachelor of Science Volkswirtschaftslehre: Supplementary Section Bachelor of Science Wirtschaftsinformatik: Supplementary Section Bachelor of Arts Lehramt: Core Section Bachelor of Science Betriebswirtschaftslehre: Core and Advanced Section Bachelor of Science Gesundheitsökonomie: Supplementary Section Bachelor of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Regional Studies China				
9	Module Manager Univ.-Prof. Dr. Werner Reinartz Univ.-Prof. Dr. Franziska Völckner				
10	Miscellaneous				

Core Module Finance					
Module Code 1259BMFi01	Workload 270h	ECTS Credits 9	Module Language German	Module Availability every term	Duration 1 Term
1	Courses Investition und Finanzierung		Contact Hours 60h	Self-Studies 210h	Course Language German
2	Module Content Fundamentals of capital budgeting <ul style="list-style-type: none"> • Fundamental questions related to terminology and decision theory • Capital budgeting under certainty • Prospects of capital budgeting under uncertainty Fundamentals of financing <ul style="list-style-type: none"> • Internal financing • External financing 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories in the area of finance. ... apply theories in the area of finance in pre-structured contexts (e.g. case studies) in a solution-oriented way. ... know and understand common methods in the area of finance. ... use methods in the area of finance in pre-structured contexts in a solution-oriented way. ... design their learning and working processes independently.				
4	Teaching and Learning Methods lecture practice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: WT (60)				
7	Prerequisites for Awarding of Credit Points Passing the written test.				
8	Other Programmes that Use the Module Bachelor of Science Volkswirtschaftslehre: Supplementary Section Bachelor of Science Wirtschaftsinformatik: Supplementary Section Bachelor of Arts Lehramt: Core Section Bachelor of Science Betriebswirtschaftslehre: Core and Advanced Section Bachelor of Science Gesundheitsökonomie: Supplementary Section Bachelor of Arts Regionalstudien China - Betriebswirtschaftslehre: Business Administration Regional Studies China				
9	Module Manager Univ.-Prof. Dr. Alexander Kempf				

	Dr. Alexander Pütz Univ.-Prof. Dr. Heinrich R. Schradin
10	Miscellaneous

Studies Abroad Management and Economics					
Module Code 1014SAMB01	Workload 270h	ECTS Credits 9	Module 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... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... describe approaches in Business Administration, Economics and Social Sciences from an international perspective. ... explain international business, economic and social science questions. ... discuss and compare different theories and approaches of business administration, economics and social sciences. ... develop new intellectual perspectives on their own educational background. ... are better prepared to effectively manage the dynamic global dimensions of their future careers.				
4	Teaching and Learning Methods depending on course choice				
5	Module Entry Requirements				
6	Mode of End-Of-Module Examination depending on course selection				
7	Prerequisites for Awarding of Credit Points				
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Supplementary Section				
9	Module Manager				
10	Miscellaneous Language: can be held in English or in any language offered at the host university. This module can be studied at a foreign university. In this case, there is a standardised course crediting procedure. Information about course crediting (deadlines and procedures) is available from the Credit Transfer Center (WiSo-Anrechnungszentrum : https://www.anrechnungswiso.uni-koeln.de/.) This module can also be studied as part of a Summer School organised by the WiSo-Faculty. In this case, the previous exam registration has to be done according to the regulations of the WiSo-Faculty.				

3.6.3 Specialisation Section

SpM Casuistic					
Module Code 1282BSKAS1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Relevant clinical pictures and casuistic: neurology and psychiatry		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Nervous system • Neurological and psychiatric diseases • Examination techniques • Therapy and rehabilitation • Guidelines 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... present and discuss results with teaching staff and other students.				
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 Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Medizinische Fakultät Univ.-Prof. Dr. med. Rüdiger Mielke				
10	Miscellaneous Qualifications: Areas of activity in which knowledge of the basics and clinical pictures of neurological and psychiatric diseases is required. The lecture is supplemented by patient examples using video presentations. The creation of a script is aimed at in cooperation with the students. Basic and further literature is given.				

SpM Health Economics I					
Module Code 1282BSGOE1	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Evidence-based medicine: Application		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Bias species • Clinical trials • Databases • Structured literature evaluation • Summary evaluations 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand common methods. ... use methods in pre-structured contexts in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... communicate continuously and purposefully within teaching and learning groups. ... establish and evaluate independently developed positions. ... present and discuss results with teaching staff and other students. ... design their learning and working processes independently. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods lecture				
5	Module Entry Requirements Recommendation: CM Health Economics II				
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 Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Medizinische Fakultät Prof. Dr. med. Stefan Sauerland				
10	Miscellaneous Independent application of common practice-relevant methods of EbM.				

SpM Health Economics II					
Module Code 1282BSGOE2	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Exploration in occupational areas		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Practical application of project management • Potential occupational fields for health economists • Potential problems with the application of health economic methods in practice • Opportunities and risks of projects in practice 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... use methods in case studies in a solution-oriented way. ... analyse current questions and challenges within the framework of pre-structured contexts. ... establish and evaluate independently developed positions. ... design their learning and working processes independently.				
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 Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Medizinische Fakultät Univ.-Prof. Dr. med.' Stephanie Stock				
10	Miscellaneous Qualification: Support in health policy decision-making, advice to decision-making bodies in business enterprises, associations and health care institutions. Acquisition of theoretical basics of project management at different levels and in different areas of the health care system.				

SpM Health Economics III					
Module Code 1282BSGOE3	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - summer term	Duration 1 Term
1	Courses Introduction to medical action		Contact Hours 30h	Self-Studies 150h	Course Language German
2	<p>Module Content This module will give an introduction to medicine from the point of view of medical humanities, consisting of four perspectives:</p> <p>(1) Clinical ethics</p> <ul style="list-style-type: none"> • Foundations of ethics • Decision-making at the beginning of life • End-of-life decisions <p>(2) Research ethics</p> <ul style="list-style-type: none"> • Ethical issues in research involving human subjects • Research on vulnerable persons • Case studies in research ethics <p>(3) Philosophy of science</p> <ul style="list-style-type: none"> • “What is this thing called science”? • Patient’s perspective and objectivation in medicine • Scientific progress <p>(4) Patients</p> <ul style="list-style-type: none"> • Health, illness, and death from the patient’s point of view • Lived experiences in chronic illness 				
3	<p>Learning Objectives Students...</p> <p>... know and understand the relevant methods and theories for the points mentioned above under „Module content“.</p> <p>... By the end of this module students will...</p> <p>...understand the scope and the limits of normative ethics.</p> <p>...appreciate the principal ethical arguments concerning medical decisions at the beginning and at the end of life.</p> <p>...know about the basic principles of research ethics and can apply these to case studies of research on human subjects</p> <p>... be able to distinguish science from pseudo-science.</p> <p>...realize the (limited) reach of objective knowledge and the importance of the “subject” in medicine.</p> <p>...gain insight, by literary sources, into the patient’s perspective in illness.</p>				
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 Bachelor of Science Gesundheitsökonomie: Specialization Section
9	Module Manager Dr. Christian Hick Medizinische Fakultät
10	Miscellaneous Introductory readings: Hick, C.: Klinische Ethik, Heidelberg (2007) Chalmers, A.: What is this thing called science, Queensland (2013 (4)). Further readings will be provided via the ILIAS learning management system

SpM Health Economics IV					
Module Code 1282BSGOE4	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses Systematic Reviews		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Study types and study planning • Evaluation of studies • Summary of studies for application to a clinical question • Preparation of systematic reviews 				
3	Learning Objectives Students... <ul style="list-style-type: none"> ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... collect, systematize and synthesize literature and data material for a scientific work on a selected topic. ... communicate continuously and purposefully within teaching and learning groups. ... establish and evaluate independently developed positions. ... develop an understanding of the impact of decisions that take into account environmental, social and/or ethical criteria. ... design their learning and working processes independently. 				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: TP				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Caroline Hirsch Medizinische Fakultät Univ.-Prof. Dr. med.' Stephanie Stock				
10	Miscellaneous				

SpM Health Systems					
Module Code	Workload	ECTS Credits	Module Language	Module Availability	Duration
1320BSGSY1	180h	6	German	every 2nd term - summer term	1 Term
1	Courses Ageing and social space in the welfare mix		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Fundamental ontology, philosophical and theological anthropology, transactionalism, developmental psychology, access to life-cycle oriented life-support theory, economic welfare theory and its critique, the legal philosophy of public services, the theory of intervention, the main features of the institutional architecture of welfare policy. • Anthropology and ethics of personality as well as the philosophy of law of inclusion, basic features of multi-dimensional social morphology of modern society, theory of integrated supply landscapes, research results on the problem of socio-spatial network formation, trans-sectoral multi-disciplinarity, theory and practice of de-institutionalization from an economic, legal and psychodynamic point of view. 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories of life-support and economic welfare. ... analyse current questions and challenges within the framework of pre-structured contexts. ... present and discuss results with teaching staff and other students. ... develop an understanding of the impact of decisions that take into account environmental, social or ethical criteria. ... design their learning and working processes independently.				
4	Teaching and Learning Methods lecture tutorial				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Written test: PO				
7	Prerequisites for Awarding of Credit Points Passing the module examination				
8	Other Programmes that Use the Module Bachelor of Science Volkswirtschaftslehre sozialwissenschaftlicher Richtung: Specialization Section Bachelor of Science Volkswirtschaftslehre: Specialization Section Bachelor of Science Sozialwissenschaften: Supplementary Section Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Univ.-Prof. Dr. Frank Schulz-Nieswandt				

10	Miscellaneous Essential reading will be announced every term.				
Studies Abroad I (Bachelor)					
Module Code 1014SAHC01	Workload 180h	ECTS Credits 6	Module 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... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... describe approaches to health economics from an international perspective. ... explain international health economic issues. ... discuss and compare different theories and approaches of health economics. ... develop new intellectual perspectives on their own educational background. ... are better equipped to effectively manage the dynamic global dimensions of their future careers.				
4	Teaching and Learning Methods depending on course choice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination depending on course selection				
7	Prerequisites for Awarding of Credit Points Depending on course choice				
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager				
10	Miscellaneous Language: can be held in English or in any language offered at the host university. This module can be studied at a foreign university. In this case, there is a standardised course crediting procedure. Information about course crediting (deadlines and procedures) is available from the Credit Transfer Center (WiSo-Anrechnungszentrum : https://www.anrechnungswiso.uni-koeln.de/.) This module can also be studied as part of a Summer School organised by the WiSo-Faculty. In this case, the previous exam registration has to be done according to the regulations of the WiSo-Faculty.				

Studies Abroad II (Bachelor)					
Module Code 1014SAHC02	Workload 180h	ECTS Credits 6	Module 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... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... describe approaches to health economics from an international perspective. ... explain international health economic issues. ... discuss and compare different theories and approaches of health economics. ... develop new intellectual perspectives on their own educational background. ... are better equipped to effectively manage the dynamic global dimensions of their future careers.				
4	Teaching and Learning Methods depending on course choice				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination depending on course selection				
7	Prerequisites for Awarding of Credit Points Depending on course choice				
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager				
10	Miscellaneous Language: can be held in English or in any language offered at the host university. This module can be studied at a foreign university. In this case, there is a standardised course crediting procedure. Information about course crediting (deadlines and procedures) is available from the Credit Transfer Center (WiSo-Anrechnungszentrum : https://www.anrechnungswiso.uni-koeln.de/ .) This module can also be studied as part of a Summer School organised by the WiSo-Faculty. In this case, the previous exam registration has to be done according to the regulations of the WiSo-Faculty.				

SpM Health Care Management I					
Module Code 1282BSMIG1	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every term	Duration 1 Term
1	Courses Proseminar Health Economics		Contact Hours 30h	Self-Studies 150h	Course Language German
2	Module Content <ul style="list-style-type: none"> • Analysis of current problems of hospital management on the basis of an article in a practical journal • Independent research on a given topic within a given period of time, including the content of a practical article • Writing a scientific paper in groups • Presentation of the results using PowerPoint • Discussion of existing solutions 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... collect, systematize and synthesize literature and data material for a scientific work on a selected topic. ... communicate continuously and purposefully within teaching and learning groups. ... establish and evaluate independently developed positions. ... present and discuss results with teaching staff and other students. ... design their learning and working processes independently.				
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 Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous Introduction to the preparation of term papers, research and presentation are carried out in groups if necessary. Formal instructions for the preparation of term papers are provided in the download area. Participation in discussion welcome. Topics are given, corresponding practical articles (if necessary further literature) will be provided as copies.				

SpM Health Care Management II					
Module Code 1282BSMIG2	Workload 180h	ECTS Credits 6	Module Language German and English	Module Availability every term	Duration 1 Term
1	Courses a) Practical seminar Pharma (winter term) b) Practical seminar Stakeholder in Health Care (summer term)		Contact Hours a) 30h b) 30h	Self-Studies a) 150h b) 150h	Course Language a) German b) German
2	Module Content <ul style="list-style-type: none"> • Analysis of current corporate issues on the basis of original documents from the daily press, practical journals and other media in the light of current developments in health policy • Independent research on a given topic within a given timeframe, including integration of the given literature into the content • Presentation of the results using PowerPoint • Discussion of existing solutions 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... analyse current questions and challenges within the framework of pre-structured contexts. ... collect, systematize and synthesize literature and data material for a scientific work on a selected topic. ... establish and evaluate independently developed positions. ... present and discuss results with teaching staff and other students. ... question and critically reflect on current social developments.				
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 in course a) or b)				
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Univ.-Prof. Dr. Ludwig Kuntz				
10	Miscellaneous One of the two events must be selected. If necessary, research and presentations will be carried out in groups. Formal hints for the preparation of term papers will be provided in the download area of the seminar. The topics will be specified and, if necessary, supplemented by further literature. The Practical seminar is organised in cooperation with external speakers.				

SpM Health Economics V					
Module Code 1282BSGOE5	Workload 180h	ECTS Credits 6	Module Language German	Module Availability every 2nd term - winter term	Duration 1 Term
1	Courses a) Health Technology Assessment: Methodological basics and applications b) Digitalisation in the health sector (summer term)		Contact Hours a) 30h b) 20h	Self-Studies a) 150h b) 160h	Course Language a) German b) German
2	Module Content <ul style="list-style-type: none"> • Opportunities and risks of new technologies and methods in health care • Critical appraisal of new technologies • Evaluation of health economic aspects of new technologies • Assessment of regulatory aspects of new technologies 				
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... know and understand basic theories. ... know and understand common methods. ... use methods in pre-structured contexts in a solution-oriented way. ... collect, systematize and synthesize literature and data material for a scientific work on a selected topic. ... communicate continuously and purposefully within teaching and learning groups. ... develop an understanding of the impact of decisions that take into account environmental, social and/or ethical criteria. ... design their learning and working processes independently. ... use techniques of scientific work and good scientific practice.				
4	Teaching and Learning Methods seminar				
5	Module Entry Requirements none				
6	Mode of End-Of-Module Examination Combined examination: PRES, TP				
7	Prerequisites for Awarding of Credit Points Passing the module examination of course a) or b)				
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Specialization Section				
9	Module Manager Medizinische Fakultät Dr. rer. pol. Dirk Müller				
10	Miscellaneous The module is supplemented by self-study of examination-relevant specialist literature. The term paper consists of a written, bullet-point write-up of the presentation.				

3.6.4 Bachelor Thesis

Bachelor's Thesis Health Economics						
Module Code 1282BMGES1		Workload 360h	ECTS Credits 12	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 Bachelor's Thesis must be clearly related to Health Economics.					
3	Learning Objectives Students... ... know and understand the relevant methods and theories for the points mentioned above under „Module content“. ... analyse current questions and challenges within the framework of prepared cases. ... collect, systematize and synthesize literature and data material for a scientific work on a selected topic. ... establish and evaluate independently developed positions. ... design their learning and working processes independently. ... use techniques of scientific work and good scientific practice.					
4	Teaching and Learning Methods Bachelor's Thesis					
5	Module Entry Requirements 100 CP successfully passed					
6	Mode of End-Of-Module Examination Written test 12 weeks					
7	Prerequisites for Awarding of Credit Points Passing the module examination					
8	Other Programmes that Use the Module Bachelor of Science Gesundheitsökonomie: Bachelorthesis Health Economics					
9	Module Manager					
10	Miscellaneous The bachelor's thesis can be written in German or English.					