UNIVERSITÄT ZU LÜBECK

Module Guide for the Study Path

Master Interdisciplinary Courses

Version from 1. April 2025

interdisciplinary competence

Interdisciplinary modules

interdisciplinary

CS3208-KP04 - Responsible Use of Generative AI (GENAI)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- CS3208-P: Responsible Use of Generative AI (not for medical students) (project work, 1 SWS)
- CS3208-V: Responsible Use of Generative AI (lecture, 2 SWS)

Workload:

- 45 Hours private studies
- 45 Hours work on project
- 30 Hours in-classroom work

Contents of teaching:

- Introduction - An overview of tools, possibilities and discourses on generative AI
- Fundamentals of Technology 1 - Basic Modes of Operation
- Fundamentals of Technology 2 - Adaptation to Social Norms
- Application basics - How to proceed when using generative AI?
- Psychological implications - effects on experience, motivation and skills in the workplace
- Use cases 1 - General productivity and scientific writing
- Use cases 2 - Research
- Use cases 3 - Training
- Use cases 4 - Medicine
- AI and security - The risks of AI in safety-critical applications
- Legal and Ethical Aspects - Intellectual Property, Privacy and Societal Challenges
- Sustainability - Environmental Costs
- The future - outlook on future possibilities and limitations

Qualification-goals/Competencies:

- Students will be able to explain the basic functioning and technology of generative AI in general content production.
- Students recognise the ethical and societal challenges of generative AI technologies and can formulate these concretely and precisely.
- Students are able to critically evaluate the impact of generative AI on their tasks.
- Students are able to use the potential of generative AI responsibly and reflectively in their studies and future work.
- The students know the basic legal framework around generative AI applications.
- Students are aware of the social and environmental implications of generative AI applications.

Grading through:

- continuous, successful participation in course
- presentation
- project work

Responsible for this module:

- Prof. Dr.-Ing. Christian Herzog

Teacher:

- Institute for Electrical Engineering in Medicine

- Prof. Dr.-Ing. Christian Herzog
- Prof. Dr. Corinna Peifer
- Prof. Dr. Maria Henke
- Roman Spendler
- Prof. Dr. rer. nat. Floris Ernst
- Prof. Dr. rer. nat. habil. Ralf Möller
- Prof. Dr. André Calero Valdez
- Prof. Dr. med. Jürgen Westermann
- Prof. Dr. Doris Weßels
- Prof. Dr. Maximilian Schüler

Literature:

- : Various further literature from science and journalism

Language:

- German or English

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- None

Module-Exam(s):
CS3208-L1: Responsible Use of Generative AI, successful submission and presentation of a semester-long project, 100% of the (non existent) module grade

PS1110-KP04 - Social Aspects of Sustainability (GesellNach)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- PS1110-S: Social Aspects of Sustainability (seminar, 1 SWS)
- PS1102-V: Social classification of sustainability science (lecture, 1 SWS)

Workload:

- 60 Hours private studies
- 30 Hours in-classroom work

Contents of teaching:

- The idea of sustainable development and its historical classification
- Foundations for theoretical concepts of sustainable development
- Foundations of sustainable development and its scientific resonance
- Basic concepts of sustainability ethics
- Fundamentals of the philosophy of science and transdisciplinary research
- Specific aspects of the methodology of sustainability science

Qualification-goals/Competencies:

- Students master the basics of ecological, social and economic assessment of the sustainability of technological developments.
- They have an understanding of which procedures are sustainable in which areas (business, medicine, research, transfer) and which criteria they must fulfil
- You will gain a general understanding of sustainability science and learn about its importance for society and current and future economic developments.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. rer. nat. Charli Kruse

Teacher:

- Institute of Medical and Marine Biotechnology

- Prof. Dr. rer. nat. Charli Kruse
- Dr. rer. nat. Daniel Hans Rapoport
- Dr. rer. nat. Sandra Schumann
- Dr. rer. nat. Philipp Ciba
- Dr. rer. nat. Anna Emilia Matthießen

Literature:

- Harald Heinrichs, Gerd Michelsen: Nachhaltigkeitswissenschaften - Springer Spektrum 2014
- Joachim Pietzsch: Bioökonomie für Einsteiger - Springer Spektrum 1. Auflage 2017 Edition

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- Successful and regular participation in the seminar

Module Exam(s):
- PS1110-L1: Social Aspects of Sustainability, Portfolio exam consisting of: 30 points in the form of an individual term paper, 70 points in the form of a semester presentation, 100% of the (non-existent) module grade

PS1120-KP04 - Economic Aspects of Sustainability (OekoNach)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	4

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- PS1120-S: Economic Aspects of Sustainability (seminar, 1 SWS)
- PS1100-V: Sustainable bioeconomy (lecture, 1 SWS)

Workload:

- 60 Hours private studies
- 30 Hours in-classroom work

Contents of teaching:

- Presentation and discussion of selected fields of action: Sustainability through climate protection using the example of peatland restoration, sustainable water management, cost avoidance through flood and coastal protection in Germany.
- Connection between the bioeconomy and sustainability using exemplary examples: The origin of biomass, the use of biomass for the production of fuel and chemicals, the bioeconomy from the perspective of the innovation economy, the bioeconomy as a closed-loop and interconnected system
- Criteria for success of the bioeconomy

Qualification-goals/Competencies:

- Students can understand the topics of sustainability, bioeconomy and biotechnology and explain them using examples
- They understand the bioeconomy system and the specifics of a sustainable bioeconomy
- They master the essential basics of ecology and their economic classification
- They understand the importance of the bioeconomy and sustainability in the field of entrepreneurship (management, digital economy, business administration and spin-offs)

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. rer. nat. Charli Kruse

Teacher:

- Institute of Medical and Marine Biotechnology

- Prof. Dr. rer. nat. Charli Kruse
- Dr. rer. nat. Daniel Hans Rapoport
- Dr. rer. nat. Sandra Schumann
- Dr. rer. nat. Philipp Ciba
- Dr. rer. nat. Anna Emilia Matthießen

Literature:

- Harald Heinrichs, Gerd Michelsen: Nachhaltigkeitswissenschaften - Springer Spektrum 2014
- Joachim Pietzsch: Bioökonomie für Einsteiger - Springer Spektrum 1. Auflage 2017 Edition

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- Successful and regular participation in the seminar

Module Exam(s):
- PS1120-L1: Economic Aspects of Sustainability, Portfolio exam consisting of: 30 points in the form of an individual term paper, 70 points in the form of a semester presentation, 100% of the (non-existent) module grade

PS1130-KP04 - Interdisciplinary Perspectives on Ecological Sustainability (IPoeN)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- PS1110-S: Interdisciplinary Perspectives on Ecological Sustainability (seminar, 0,6 SWS)
- PS1102-Ü: Interdisciplinary Perspectives on Ecological Sustainability (exercise, 0,3 SWS)
- PS1102-V: Interdisciplinary Perspectives on Ecological Sustainability (lecture, 0,8 SWS)
- PS1102-P: Interdisciplinary Perspectives on Ecological Sustainability (practical course, 0,3 SWS)

Workload:

- 90 Hours private studies
- 30 Hours in-classroom work

Contents of teaching:

- Expert lectures on selected topics in ecological sustainability (e.g. global climate impact, psychology of renunciation)
- Campus excursion on a selected aspect of sustainability (e.g. biogas plant, mobility)
- Background discussions and moderation of expert lectures (with practical exercises)
- Introduction to public relations (with practical exercises)
- Development and presentation of a sustainability utopia (with practical exercises)
- Reflection on own options for action (with practical exercises)

Qualification-goals/Competencies:

- Students know what is ecological sustainability
- Students know the causes of global climate change and can assess their relevance
- Students know what ecological sustainability is
- Students can identify options for actions when different sustainability goals conflict, assess their respective cost-benefit ratios and develop solutions
- Students can assess their own behavior and that of others with regard to ecological sustainability
- Students can describe and reflect on the limits of rational, goal-oriented human behavior
- Students can develop creative utopias, goals and roadmaps to achieve sustainability goals
- Students can write a summary of a scientific presentation to reach the public

Grading through:

- written examination

Responsible for this module:

- Prof. Dr. rer. nat. Silke Anders

Teacher:

- Department of Psychology I
- Prof. Dr. rer. nat. Silke Anders
- externe Referent*innen
- Andere Dozenten

Literature:

- Holler, Christian, Gaukel, Joachim, Lesch, Harald, Lesch, Florian: Erneuerbare Energien zum Verstehen und Mitreden - Bundeszentrale für Politische Bildung, Bonn. 176 S. ISBN 978-3-7425-0894-2, 2022
- Latif, Mojib: Globale Erwärmung - UTB Profile. UTB, Stuttgart, 120 S. ISBN 978-3-8252-3586-4, 2012
- Werner, Micha: Einführung in die Ethik. Kapitel - J.B Metzler, 316 S. ISBN 978-3-476-01944-8, 2021

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- regular participation in the seminar
- regular participation in the expert lectures/excursion
- Background discussion and moderation of an expert presentation in a small group
- Written preparation of a press release
- Development and presentation of a utopia in a small group

Module Exam(s):
- PS1130-L1: Interdisciplinary Perspectives on Ecological Sustainability, written multiple-choice exam, 100% of the (non-existent) module grade

PS1500-KP05 - Sustainability Science with Focus on Ecology & Biotechnology (NachWiss)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	5

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester
- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- PS1500-V: Sustainability Science (lecture, 2 SWS)
- PS1500-S: Sustainability Science (seminar, 1 SWS)
- PS1500-Ü: Sustainability Science (exercise, 1 SWS)

Workload:

- 90 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

- Introduction to scientific perspectives on sustainability
- Basic concepts of ecosystem and biodiversity
- Foundations for food security and healthy nutrition in the context of the bioeconomy
- Review of the importance of biotechnology for the bioeconomy
- Significance of chemical substances in the environment
- Basics of global material cycles (earth system, climate)
- Conditions for a sustainable bioeconomy
- Basics on the importance of transgenic animals and plants

Qualification-goals/Competencies:

- Students can use examples to explain the terms sustainability, bioeconomy and biotechnology
- They can assess selected technological developments with regard to their influence on sustainability
- They will learn exemplary different processes to get a practical insight into the bioeconomy
- They understand the fundamental importance of biotechnology for a sustainable bioeconomy
- They will learn about examples of the close link between sustainable bioeconomy and biotechnology
- They will gain insight into the use of extracorporeal cell cultures, sustainable medical processes, and biomass production and utilization
- They will learn about the construction of recirculating systems or the ecologically sound use of marine biomass
- They can professionally evaluate the topics of sustainability and bioeconomy in new subject areas
- They have a profound knowledge to be able to assess technologies and processes with regard to their sustainability

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. rer. nat. Charli Kruse

Teacher:

- Institute of Medical and Marine Biotechnology

- Prof. Dr. rer. nat. Charli Kruse
- Dr. rer. nat. Daniel Hans Rapoport
- Dr. rer. nat. Sandra Schumann
- Dr. rer. nat. Philipp Ciba
- Dr. rer. nat. Anna Emilia Matthießen

Literature:

- Harald Heinrichs, Gerd Michelsen: Nachhaltigkeitswissenschaften - Springer Spektrum; 2014
- Joachim Pietzsch: Bioökonomie für Einsteiger - Springer Spektrum; 1. Aufl. 2017 Edition
- Reinhard Renneberg, Darja Süßbier, Viola Berkling, Vanya Loroch: Biotechnologie für Einsteiger - Springer Spektrum; 5. Aufl. 2018
- Daniela Thrän, Urs Moesenfechtel: Das System Bioökonomie - Springer Spektrum; 1. Aufl. 2020

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- Successful and regular participation in the seminar

Module Examination(s):
- PS1500-L1: Sustainability Science with a Focus on Ecology & Biotechnology, portfolio examination consisting of: 50 points in the form of a term paper completed independently during the semester and 50 points in the form of a presentation, 100% of the (non-existent) module grade

CS5820-KP04, CS5820 - Legal foundations for IT (ITRecht)

Duration:	Turnus of offer:	Credit points:
1 Semester	not available anymore	4 (Typ B)

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Medical Informatics 2014 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master MES 2014 (optional subject), no specific field, 1st or 2nd semester
- Bachelor MES 2014 (optional subject), no specific field, Arbitrary semester
- Master Computer Science 2012 (optional subject), interdisciplinary competence, 3rd semester

Classes and lectures:

- Legal Foundations for IT (lecture, 1 SWS)
- Legal Foundations for IT (seminar, 1 SWS)

Workload:

- 55 Hours private studies
- 45 Hours in-classroom work
- 20 Hours exam preparation

Contents of teaching:

- Introduction and Overview
- Personality rights, freedom of the press and the media, and freedom of speech
- Regulatory objectives: information and law
- Youth protection and self-regulation
- Privacy and Data Protection
- Press and advertising law
- Copyright, trademark, patent law
- German Data Protection Act (TDG) and Teleservice Data Protection Act(TDDSG), Signature Act (SigG), German Interstate Media Services Agreement(MDStV)
- Contract law and e- contracting
- International aspects
- Case Studies
- Summary and Outlook

Qualification-goals/Competencies:

- The students know the legal basis for the production and use of software and digital media.
- The students know the legal basis for the operation of IT and communications systems.

Grading through:

- Written or oral exam as announced by the examiner

Responsible for this module:

- Studiengangsleitung Informatik

Teacher:

- external institution
- externe Lehrbeauftragte

Literature:

- :
- :
- :

Language:

- English, except in case of only German-speaking participants

EC4001-KP04, EC4001 - General Business Administration (ABWL)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Master Computer Science 2019 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Psychology 2016 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master psychology 2013 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Media Informatics 2014 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Computer Science 2014 (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- General Business Administration (lecture, 2 SWS)
- General Business Administration (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- Theories in business administration
- Organisational forms
- Legal forms
- Accounting basics
- Theories on leaderhip and motivation

Qualification-goals/Competencies:

- The students get an important and in-depth overview of the single parts of business administration.
- Within this lecture, the students are empowered to identify and classify the different theoretical areas of business administration.
- Furthermore, students will be able to evaluate the different approaches and apply them to specific situations.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Dr. Stefan Becker

Literature:

- Wöhe: Einführung in die Allgemeine Betriebswirtschaftslehre - Vahlen-Verlag, 24. Auflage, 2010
- Hungenberg, Wulf: Grundlagen der Unternehmensführung - Gabler-Verlag, 4. Auflage, 2011

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC4001-L1: General Business Administration, (online) tests, 100 % of module grade

Students for whom this course is a compulsory module have priority.

Registration takes place at the beginning of the semester via Moodle. Further registration and exam-related questions will be clarified during the first lectures.

(Is equal to EC4001 T-KP04)

EC4004-KP04, EC4004 - Strategic Management (StratMng)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Master Psychology 2016 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master psychology 2013 (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- Strategic Management (lecture, 2 SWS)
- Strategic Management (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- Coroporate goals and strategies
- Marketing Strategies
- Enterprise Controlling
- Internationalization strategies

Qualification-goals/Competencies:

- Within the single teaching areas the students will be able to use the teaching content and to analyze and evaluate business cases independently.
- They are empowered to use and apply the different strategic management tools and approaches.
- Moreover, the team work within the lecture and exercise enables the students to formulate and define common goals and solution strategies with regard to the tasks given.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Simon Behrendt

Literature:

- Hungenberg, Wulf: Grundlagen der Unternehmensführung - Gabler-Verlag, 4. Auflage, 2011
- Hungenberg: Strategisches Management in Unternehmen - Gabler-Verlag, 8. Auflage 2014
- Schierenbeck: Grundzüge der Betriebswirtschaftslehre - Oldenbourg-Verlag, 17. Auflage, 2008
- Schäfer-Kunz Vahs: Einführung in die Betriebswirtschaftslehre - Schäffer-Poeschel-Verlag, 5. Auflage, 2007
- Wöhe: Einführung in die Allgemeine Betriebswirtschaftslehre - Vahlen-Verlag, 24. Auflage, 2010

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC4004-L1: Strategic Management, portfolio exam, 100 % of module grade

The portfolio exam consists of the following:
-Written assignment, 40 %
-Exam, 60 %

The commercial rounding is used to determine the overall grade.

Students for whom this course is a compulsory module have priority.

Registration takes place at the beginning of the semester via Moodle. Further registration and exam-related questions will be clarified during the first lectures.

(Is equal to EC4004 T-KP04)

EC4007-KP04 - Innovation and Technology Management (WFIuTMng)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Innovation and Technology Management (lecture, 2 SWS)
- Innovation and Technology Management (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- Technology and innovation are the basis for success and growth of any business. This course deals with theories, concepts and tools for the management of technology and innovation. During the event, basic concepts of innovation and technology management are defined. In addition, corporate internal and external sources of innovation are discussed, before the search for business opportunities is covered. Furthermore, the course deals with the development of an innovation strategy, the establishment of innovation networks, the development of new products and services and business model innovations.
- The content is also linked to practical and current topics thus covering relevant applications.
- Individual aspects of the event will be studied on selected case studies.

Qualification-goals/Competencies:

- Students are able to master and apply scientific foundations and develop specialized and in-depth expertise in innovation and technology management.
- Students are able to structure and solve problems in innovation and technology management even in a new, unfamiliar and multidisciplinary context.
- Students are able to define goals for their own development and reflect their own strengths and weaknesses, plan their own development and reflect the societal impact.
- Students can work cooperatively and responsibly in groups and reflect and enhance their own cooperative behavior in groups critical.

Grading through:

- Written or oral exam as announced by the examiner

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Dr. Stefan Becker

Literature:

- Nichols: Social Entrepreneurship - Oxford University Press: 1. Auflage 2008
- Bessant & Tidd: Innovation and Entrepreneurship - Wiley-Verlag: 2. Auflage 2013
- Fisch & Roß: Fallstudien zum Innovationsmanagement - Gabler-Verlag: 1. Auflage 2009
- Bessant & Tidd: Managing Innovation: Integrating Technological, Market and Organizational Change - Wiley-Verlag: 5. Auflage 2013

Language:

- English, except in case of only German-speaking participants

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC4007-L1: Innovation and Technology Management, written exam, 60 min, 100 % of module grade, or as announced by examiner
- EC4007-L1: Innovation and Technology Management, oral exam, 15 min, 100 % of module grade

(Is equal to EC4005T-KP04)

EC4008-KP04 - Entrepreneurship & Innovation (EI)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Master Computer Science 2019 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Medical Informatics 2019 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master Computer Science 2014 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Media Informatics 2014 (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Medical Informatics 2014 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Entrepreneurship and Innovation (lecture, 2 SWS)
- Entrepreneurship and Innovation (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- This course deals with fundamental theories, concepts and tools for the entrepreneurship and innovation management.
- The content is also linked to practical and current topics thus covering relevant applications.
- Individual aspects of the event will be studied on selected case studies.

Qualification-goals/Competencies:

- Students are able to master and apply scientific foundations and develop predominantly fundamental expertise in entrepreneurship and innovation.
- Students are able to structure and solve problems in innovation and technology management predominantly in a familiar be to some extent also even in a new, unfamiliar and multidisciplinary context.
- Students are able to define goals for their own development and reflect their own strengths and weaknesses, plan their own development and reflect the societal impact.
- Students can work cooperatively and responsibly in groups and reflect and enhance their own cooperative behavior in groups critical.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Prof. Dr. Christian Scheiner

Literature:

- Nichols: Social Entrepreneurship - Oxford University Press 1. Auflage 2008
- Bessant & Tidd: Innovation and Entrepreneurship - Wiley-Verlag 2. Auflage 2013
- Fisch & Roß: Fallstudien zum Innovationsmanagement - Gabler-Verlag 1. Auflage 2009
- Bessant & Tidd: Managing Innovation: Integrating Technological, Market and Organizational Change - Wiley-Verlag: 5. Auflage 2013

Language:

- German and English skills required

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC4008-L1: Entrepreneurship and Innovation, portfolio exam, 100% of module grade

The portfolio exam consists of the following:
-Individual written assignment, 15 %
-Group work (Presentation), 45 %
-(Online)exams, 40 %

The commercial rounding is used to determine the overall grade.

Students for whom this course is a compulsory module have priority.

Registration takes place at the beginning of the semester via Moodle. Further registration and exam-related questions will be clarified during the first lectures.

(Is equal to EC4008 T-KP04)
(Replaces PS5830-KP04)

EC4010-KP04, EC4010 - Commercial Law (WirtRecht)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	4

Course of study, specific field and term:

- Master Computer Science 2019 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Entrepreneurship in Digital Technologies 2020 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Medical Informatics 2019 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master MES 2014 (optional subject), no specific field, Arbitrary semester
- Bachelor MES 2014 (optional subject), no specific field, 3rd semester at the earliest
- Master Medical Informatics 2014 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master Computer Science 2014 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Entrepreneurship in Digital Technologies 2014 (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- Commercial Law (lecture, 2 SWS)
- Commercial Law (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- The importance of legal aspects in entrepreneurship especially in the high-tech sector
- legal acts
- contract law
- technology protection and intellectual property (know how, patents, trademarks, designs, with license rights)
- labor law
- corporate law
- enforcement of legal claims

Qualification-goals/Competencies:

- The objective of the course is to provide students with a basic knowledge of legal subjects relevant for scientists, medical doctors, engineers and computer scientists in technology-driven enterprises or in research at a university.
- Students will gain an understanding of legal reasoning to help them avoid pitfalls and exploit to the fullest extent opportunities in R&D projects and startup companies.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Dr. Carsten Richter

Literature:

- Carsten Richter: Kurshandout - -
- Ann/Hauck/Obergfell: Wirtschaftsrecht kompakt - München 2012
- Meyer: Wirtschaftsprivatrecht - Heidelberg 2012
- -: BGB Bürgerliches Gesetzbuch - Beck-Texte, neuste Auflage
- Schönfelder: Deutsche Gesetze Textsammlung - neuste Auflage

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC4010-L1: Commercial Law, written exam, 60 min, 100 % of module grade

EC4501-KP04 - Negotiation (WFVerfuehr)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	4

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Negotiation (lecture, 2 SWS)
- Negotiation (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- Negotiation fundamentals
- Negotiation (sub-)processes
- Negotiation contexts
- Individual differences in negotiation
- Resolving differences
- Emotions in negotiations

Qualification-goals/Competencies:

- Students are able to identify the central issues in the process of negotiations and have a broad knowledge including the scientific basis as well as the practical application of the importance of negotiations in economic and in a business context.
- Students are able to apply this knowledge to their own examples.
- Individual aspects of negotiations will be studied on selected case studies and exercises
- Students master the scientific foundations and have specialized and in-depth expertise in negotiation.
- Students know how to prepare, structure and conduct negotiations.
- Students are able to define goals for their own development and can reflect their own strengths and weaknesses, plan their individual development and reflect the societal impact.
- Students can work cooperatively and responsibly in groups as well as reflect and enhance their own cooperative behavior in groups critical.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Prof. Dr. Christian Scheiner

Literature:

- Lewicki, R., Barry, B., & Saunders, D.: Negotiation Readings, Exercises and Cases. - 2015, McGraw-Hill Education, New York.
- Nalebuff, B.: Split the Pie: A Radical New Way to Negotiate. - 2022, Harper Collins Publishers, New York.
- Dinnar, S. & Susskind, L.: Entrepreneurial Negotiation. - 2018, Palgrave Macmillan, Cham.
- Feld, B. & Mendelson, J.: Venture Deals. - 2016, John Wiley & Sons, New Jersey, 3rd Edition.
- Cialdini, R.: Influence The Psychology of Persuasion. - 2007, Harper Collins Publishers, New York, Revised Edition.
- Spolin, Viola: Improvisation for the Theater. - 1963, Martino Fine Books, Eastford.

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC4501-L1: Negotiation, portfolio exam, 100 % of module grade

The portfolio exam consists of the following:
-Group work, 40 %
-(Online) tests, 60 %

The commercial rounding is used to determine the overall grade.

Students for whom this course is a compulsory module have priority.

EC4502-KP04 - Entrepreneurial Behavior (WEntrBehav)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	4

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Entrepreneurial Behavior (lecture, 2 SWS)
- Entrepreneurial Behavior (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- Psychology of entrepreneurs and entrepreneurial teams
- Entrepreneurial decision making and implementation
- Motivation of employees
- Personnel management and personality development
- Influence of entrepreneurial passion on the actions of entrepreneurs
- Fundamentals in entrepreneurial and organizational behavior
- Stakeholder, top management, and principal-agent-theory
- Challenges in the organizational design
- Organizational culture
- Organizational learning
- Individual differences and diversity

Qualification-goals/Competencies:

- Students are able to identify the central issues in the context of entrepreneurial/organizational behavior and have a broad knowledge including the scientific basis as well as the practical application its importance.
- Students are able to apply this knowledge to their own examples and in a changing context.
- Individual aspects of the event will be studied on selected case studies.
- Students master the scientific foundations and have specialized and in-depth expertise in entrepreneurial and organizational behavior.
- Students know how to structure and solve problems even in new, unfamiliar and multidisciplinary contexts of entrepreneurial and organizational behavior.
- Students can work cooperatively and responsibly in groups and reflect and enhance their own cooperative behavior in groups critical.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Prof. Dr. Christian Scheiner

Literature:

- Ansfried B. Weinert: Organisations- und Personalpsychologie - Beitz Verlag, Basel, 2004
- Lutz von Rosenstiel, Friedemann W. Nerdinger: Grundlagen der Organisationspsychologie - Schaeffer Poeschel Verlag, 7. überarbeitete Auflage
- Lioba Werth: Psychologie für die Wirtschaft - Spektrum Akademischer Verlag, 2004
- Dieter Frey, Hans Werner Bierhoff: Sozialpsychologie - Interaktion und Gruppe - Hogrefe Verlag, Göttingen 2011
- Peter Dowling, Marion Festing, Allen D. Engle: International Human Resource Management - 5th Edition, London, 2008

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC4502-L1: Entrepreneurial Behavior, portfolio exam, 100 % of module grade

The portfolio exam consists of the following:
-Group work, 40 %
-(Online) tests, 60 %

The commercial rounding is used to determine the overall grade.

(Is equal to EC4500 B-KP04)

Students for whom this course is a compulsory module have priority.

Registration takes place at the beginning of the semester via Moodle. Further registration and exam-related questions will be clarified during the first lectures.

EC4503-KP04 - Entrepreneurship and Olympic Strategies (EnuOS)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	4

Course of study, specific field and term:

- Master Entrepreneurship in Digital Technologies 2020 (optional subject), entrepreneurship, 2nd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Entrepreneurship in Digital Technologies 2014 (optional subject), entrepreneurship, 2nd semester

Classes and lectures:

- EC4503-V: Entrepreneurship and Olympic Strategies (lecture, 2 SWS)
- EC4503-Ü: Entrepreneurship and Olympic Strategies - Development of a campaign (exercise, 2 SWS)

Workload:

- 60 Hours work on project
- 60 Hours in-classroom work

Contents of teaching:

- Creative solution finding
- Team building
- Management duties and responsibility
- Acting under uncertainty
- Strategy building
- Strategy
- Dealing with turbulent environmental conditions
- Identification and evaluation of opportunities and possibilities
- Dealing with stress
- Acting under restrictive conditions

Qualification-goals/Competencies:

- The students recognize the most important questions in the context of a start-up project and a young company and have afterwards basic scientific knowledge.
- Students are able to apply this knowledge to their own examples and in a changing context.
- Students can identify characteristics and factors of successful start-up projects and tasks, evaluate them on the basis of criteria and acquired methods, and develop and visualise them independently.
- The combination of sailing and sport provides a direct application reference.
- Students will be able to apply simple scientific basics from start-up research.
- Students can plan and carry out work steps in solving problems even in new and unfamiliar as well as interdisciplinary contexts.
- Students can define goals for their own development, reflect on their own strengths and weaknesses, plan their own development and reflect on their own foundations.
- Students can work cooperatively and responsibly in groups and critically reflect and expand their own cooperative behaviour in groups.

Grading through:

- written homework

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Prof. Dr. Kathrin Adlkofer

Literature:

- :
- :
- :

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none

Module exam(s):
- EC4503-L1: Entrepreneurship and olympic strategies, written homework, 100 % of module grade

In the module Entrepreneurship and olympic strategies , students learn about the similarities between olympic strategies and entrepreneurship and which lessons of olympic strategies can be adopted in the context of start-up ventures.

This is a block course.

EC4510-KP06, EC4510 - Entrepreneurial and High-Tech-Marketing (EntMark)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	6

Course of study, specific field and term:

- Master Entrepreneurship in Digital Technologies 2020 (compulsory), entrepreneurship, 2nd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Entrepreneurship in Digital Technologies 2014 (compulsory), entrepreneurship, 2nd semester

Classes and lectures:

- Entrepreneurial and High-Tech-Marketing (lecture, 2 SWS)
- Entrepreneurial and High-Tech-Marketing (exercise, 2 SWS)

Workload:

- 100 Hours private studies
- 60 Hours in-classroom work
- 20 Hours exam preparation

Contents of teaching:

- The first purpose of this lecture is to explain the essential differences between classical and entrepreneurial marketing.
- In addition, the characteristics of innovation marketing and in particular the marketing of high-tech and innovative products will be discussed. Building on this, special features and design possibilities in the field of entrepreneurial marketing will be further explained and deepened.

Qualification-goals/Competencies:

- Students have comprehensive and detailed knowledge on the latest state of knowledge in the field of entrepreneurial marketing.
- Students are able to develop and apply marketing strategies for innovative and creative (product) ideas.
- The competences and skills acquired in this subject can thus be applied in the future to tasks in new and unfamiliar situations using innovative marketing concepts and strategies.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Prof. Dr. Marc Opresnik

Literature:

- J. Freiling, T. Kollmann: Entrepreneurial Marketing - Wiesbaden, 2008
- Hollensen / Opresnik: Grundlagen und Praxis. Ein managementorientierter Ansatz - Lübeck, 2020
- Kotler / Armstrong / Opresnik: Marketing: An Introduction - 14. Aufl., Harlow, 2019
- Kotler / Keller / Opresnik: Marketing-Management: Strategien für wertschaffendes Handeln - 15. Aufl., München, 2017
- J. Mohr, Sengupta, S., Slater, S.: Marketing of High-Technology Products and Innovations - 2013
- Opresnik: Die Macht der Kommunikativen Intelligenz nutzen. Einfach intelligent erklärte Strategien und Taktiken für erfolgreiche Verhandlungsführung - 1. Aufl., Lübeck, 2020

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none

Module exam(s):
- EC4510-L1: Entrepreneurial- and High-Tech-Marketing, written exam, 120 min, 100 % of module grade

Students for whom this course is a compulsory module have priority.

Registration takes place at the beginning of the semester via Moodle. Further questions related to registration and exam will be clarified during the first lectures.

Please note the different lecture periods of the universities.

EC4550-KP04 - Blockchain for Business (BlockBusi)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	4

Course of study, specific field and term:

- Master Entrepreneurship in Digital Technologies 2020 (optional subject), interdisciplinary competence, 1st to 3th semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Blockchain Entrepreneurship (lecture, 2 SWS)
- Blockchain Entrepreneurship (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- Fundamentals and basic concepts of blockchain technology
- Different consensus methods
- Basic insights into cryptography, game theory, smart contracts as well as ICOs
- Basic insights into the functionality of Bitcoin and Altcoins
- Use cases of blockchain in a corporate context
- Assessment of blockchain application in a corporate context
- Scaling opportunities of blockchain

Qualification-goals/Competencies:

- Students have gained a basic knowledge of blockchain technology.
- Students have learned criteria for a successful Blockchain application in a corporate context and can apply them.
- Students will be able to fundamentally design and evaluate possible use cases of Blockchain technology in a corporate context.
- Students will be able to identify and describe the added value of Blockchain technology for users* and organizations.
- Students will be able to understand the potential impact of blockchain technology on existing business models and socio-economic networks and use it to (further) develop business models.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development

- Prof. Dr. Christian Scheiner
- Simon Behrendt

Literature:

- Nicklas T. Urban: Blockchain for Business - Springer Gabler, 2020
- Katarina Adam: Blockchain-Technologie für Unternehmensprozesse - Springer Gabler, 2020

Language:

- German and English skills required

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none

Module exam(s):
- EC4004-L1 Blockchain for Business, portfolio exam, 100 % of module grade

The portfolio exam consists of the following:
-(Online) tests, 100 %

EC5002-KP04 - Businessplan (WFBusiPlan)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Business Plan (lecture, 1 SWS)
- Business Plan (exercise, 1 SWS)
- Business Plan (project work, 1 SWS)

Workload:

- 75 Hours work on project
- 45 Hours in-classroom work

Contents of teaching:

- During the business plan seminar, the business ideas for a potential business start-up are collected, evaluated and worked out in the form of a detailed business plan. The relevance of the business plan for business practice is to be demonstrated by means of specialist lectures on the individual components of the business plan.
- Students develop over the course period a business plan for a fictional or real business opportunity in teams.
- Business plan fundamentals
- Product and service description
- Market and competitor analysis
- Development of a marketing strategy
- Development of a distribution strategy
- Organizational structure
- Financing and financial planning

Qualification-goals/Competencies:

- Students are able to identify the central issues in the process of writing a business plan and have a broad knowledge including the scientific basis as well as its practical application.Business plan is an advanced course in the curriculum and requires the completion of fundamentals courses (e.g. Entrepreneurial, Marketing, Strategic Management, Fundamentals in Business Administration, etc.).
- Students are able to apply this knowledge to their own examples.Students master the scientific foundations and have specialized and in-depth expertise in writing a business plan.
- Students know how to prepare, structure and conduct negotiations.Students are able to define goals for their own development and can reflect their own strengths and weaknesses, plan their individual development and reflect the societal impact.
- Students can work cooperatively and responsibly in groups and reflect and enhance their own cooperative behavior in groups critical.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development

- Prof. Dr. Christian Scheiner
- Simon Behrendt

Literature:

- Netzwerk Nordbayern: Handbuch zur Businessplan-Erstellung - 8. überarbeitete Auflage
- H. Klandt: Gründungsmanagement: Der integrierte Unternehmensplan - Verlag Oldenbourg, 2. Auflage, 2006
- M. E. Porter: On Competition. Updated and Expanded Edition - Harvard business review book series, 2008
- K. Kerth, H. Asum, V. Stich: Die besten Strategietools in der Praxis: Welche Werkzeuge brauche ich wann? Wie wende ich sie an? Wo liegen die Grenzen? - Carl Hanser Verlag, 5. Auflage, München, Wien, 2011

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC5002-L1: Business Plan, portfolio exam, 100% of module grade

The portfolio exam consists of the following:
-Written assignment, 60%
-Presentation, 40%
The commercial rounding is used to determine the overall grade.

(Is equal to EC5000 B-KP04)

EC5010-KP04, EC5010 - Entrepreneurship in the digital economy (EEntre)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4

Course of study, specific field and term:

- Master Entrepreneurship in Digital Technologies 2020 (compulsory), entrepreneurship, 3rd semester
- Master Media Informatics 2014 (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Robotics and Autonomous Systems 2019 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master Entrepreneurship in Digital Technologies 2014 (compulsory), entrepreneurship, 3rd semester

Classes and lectures:

- Entrepreneurship in the digital economy (lecture, 2 SWS)
- Entrepreneurship in the digital economy (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 45 Hours in-classroom work
- 15 Hours exam preparation

Contents of teaching:

- In this class students obtain a key insight into the entrepreneurial processes, the identification of business opportunities as well as the shaping and changing of young companies. In addition, students are able to understand business models on a basic level. At the same time, this class will include strategy development, fundamental aspects of corporate marketing, growth forms and strategies, entrepreneurship in the context of established enterprises and social entrepreneurship.
- Special emphasize will be on start-ups in the digital economy.

Qualification-goals/Competencies:

- Students are able to identify the central issues in the process of founding a new company and have a broad Knowledge including the scientific basis as well as the practical application of the importance of entrepreneurship in economic and in a business context. Students are able to apply this knowledge to their own examples and in a changing context.
- Students are able to develop features and factors of successful start-ups and independently develop, visualize and submit business concepts based oncriteria and methods acquired. This knowledge is also linked to practicaland current topics and representable applications.
- Individual aspects of the event will be studied on selected case studies.
- Students master the scientific foundations and have specialized and in-depth expertise in innovation and technology management.
- Students know how to structure and solve problems even in new, unfamiliarand multidisciplinary contexts of innovation and technology management.
- Students are able to define goals for their own development and canreflect their own strengths and weaknesses, plan their individualdevelopment and reflect the societal impact.
- Students can work cooperatively and responsibly in groups and reflect and enhance their own cooperative behavior in groups critical.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Prof. Dr. Christian Scheiner

Literature:

- Bygrave & Zacharakis: The Portable MBA in Entrepreneurship - Wiley-Verlag: 2010
- Bygrave & Zacharakis: Entrepreneurship - Wiley-Verlag: 3. Auflage 2013
- Hisrich, Peters & Shepherd: Entrepreneurship - McGraw-Hill: International Edition 2010

Language:

- English, except in case of only German-speaking participants

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC5010-L1: Entrepreneurship in the Digital Economy, portfolio exam, 100 % of module grade

The portfolio exam consists of the following:
-Group work(s) (Presentation), 40 %
-(Online)exams, 60 %

The commercial rounding is used to determine the overall grade.

Students for whom this course is a compulsory module have priority.

Registration takes place at the beginning of the semester via Moodle. Further questions related to registration and exam will be clarified during the first lectures.

(Formerly EC5010-KP04)

EC5020-KP06, EC5020 - Business game (PlanSp)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	6

Course of study, specific field and term:

- Master Entrepreneurship in Digital Technologies 2020 (compulsory), entrepreneurship, 3rd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Entrepreneurship in Digital Technologies 2014 (compulsory), entrepreneurship, 3rd semester

Classes and lectures:

- Business game (lecture, 1 SWS)
- Business game (project work, 3 SWS)

Workload:

- 120 Hours work on project
- 60 Hours in-classroom work

Contents of teaching:

- Students create a virtual enterprise as a team.
- In several periods the different establishment stages occur: founding, creatiion of a business plan, market entry and business development in competition with other teams.
- On the basis of the indicators, decisions for the next periods are taken.

Qualification-goals/Competencies:

- Students are able to analyze and understand the organizational context.
- Based on the available information and analysis they can make decisions and understand the impact of their decisions on performance measures.
- Students are able to develop and apply strategies and solve problems for their virtual company.
- The social skills and personal skills such as teamwork, entrepreneurship, communication skills are promoted among the students.

Grading through:

- successful addressing of the project goals

Responsible for this module:

- Prof. Dr. Christian Scheiner

Teacher:

- Institute for Entrepreneurship and Business Development
- Prof. Dr. Christian Scheiner

Literature:

- Manual will be provided: .

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- none

Prerequisites for participation in module exam(s):
- none
- Prerequisites for admission to the (written) examination may be scheduled at the beginning of the semester. When prerequisites are defined, they should be completed and positively evaluated before the initial (written) examination.

Module exam(s):
- EC5020-L1: Business Game, portfolio exam consisting of the successful solution of the project task, 100 % of module grade

Students for whom this course is a compulsory module have priority.

Registration takes place at the beginning of the semester via Moodle. Further questions related to registration and exam will be clarified during the first lectures.

(Formerly EC5020)

EW2412-KP03 - Quality management (WFQM)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	3

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- Quality Management (lecture, 2 SWS)

Workload:

- 60 Hours private studies
- 30 Hours in-classroom work

Contents of teaching:

- basic concept of quality management
- composition and organisation of a QM-system
- Total Quality Management (TQM)
- quality system audit
- certification

Qualification-goals/Competencies:

- The students know the basic concept of quality management
- They understand the composition and organisation of a QM-system

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. med. Christian Sina

Teacher:

-

Literature:

- :

Language:

- offered only in German

LS2807-KP04 - Philosophy of Science (WissTheo)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	4

Course of study, specific field and term:

- Bachelor Molecular Life Science 2024 (optional subject), interdisciplinary competence, 4th or 6th semester
- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester
- Bachelor MLS 2018 (optional subject), life sciences, 4th semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor MLS 2016 (optional subject), life sciences, 4th semester

Classes and lectures:

- Basic of evolution theory: Historical and phylosophical perspectives (lecture, 2 SWS)
- Basic of evolution theory: Historical and phylosophical perspectives (seminar, 1 SWS)

Workload:

- 75 Hours private studies
- 45 Hours in-classroom work

Contents of teaching:

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-
-

Qualification-goals/Competencies:

-
-
-
-

Grading through:

- oral presentation and essay

Responsible for this module:

- Dr. phil. Staffan Müller-Wille

Teacher:

- Institute for History of Medicine and Science Studies

- Dr. phil. Staffan Müller-Wille
- Prof. Dr. med. Cornelius Borck
- Prof. Dr. rer. nat. Burghard Weiss
- Prof. Dr. phil. Christoph Rehmann-Sutter
- Prof. Dr. phil Christina Schües
- Dr. phil. Leonhard Menges
- Dr. rer. nat. Schult

Literature:

- S. Shapin: Die wissenschaftliche Revolution - Frankfurt a.M. 1998
- M. Hagner: Ansichten der Wissenschaftgeschichte - Frankfurt a.M., 2001
- I. Hacking: Einführung in die Philosophie der Naturwissenschaften - Stuttgart 1983
- Rheinberger, Hans-Jörg: Historische Epistemologie zur Einführung - Hamburg 2007
- U. Krohs und G. Toepfer: Philosophie der Biologie: Eine Einführung - Frankfurt a.M. 2005.
- I. Jahn: Grundzüge der Biologiegeschichte - Jena 1990
- K. Köchy: Biophilosophie zur Einführung - Hamburg 2008
- A. Brenner: Leben. Grundwissen Philosophie - Stuttgart 2009

Language:

- offered only in German

Notes:

Part of the module LS2800
Basics understanding of molecular Biology; Interest in philosophical-ethical questions in the life sciences

ME4520-KP04 - Introduction to Medical Device Regulation (EinfMPR)

Duration:	Turnus of offer:	Credit points:	Max. group size:
1 Semester	each winter semester	4	40

Course of study, specific field and term:

- Master Medical Informatics 2019 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- ME4520-V: Introduction to Medical Device Regulation (lecture, 2 SWS)
- ME4520-Ü: Introduction to Medical Device Regulation (exercise, 1 SWS)
- ME4520-S: Introduction to Medical Device Regulation (seminar, 1 SWS)

Workload:

- 60 Hours work on an individual topic with written and oral presentation
- 60 Hours in-classroom work

Contents of teaching:

- Regulatory framework for the marketing of medical devices in the EU
- Requirements for manufacturers of medical devices
- Application of risk management to medical devices
- Application of usability to medical devices
- Quality management for medical device manufacturers
- Clinical evaluation of medical devices
- Software as a Medical Device
- Requirements for medical devices incorporating Artificial Intelligence

Qualification-goals/Competencies:

- Students describe the regulatory framework for the marketing of medical devices in the EU.
- They explain the concepts of regulatory requirements in the development, production, marketing, distribution, operation, maintenance and market surveillance of medical devices.
- They recognize and justify which requirements are relevant for a product.
- They apply norms and standards specifically to comply with requirements.
- They are proficient in risk analysis and assessment methods.
- They use elements of the usability-oriented development process.
- They assess the quality of a clinical evaluation and a software lifecycle processes.
- They compile contents of the technical documentation.

Grading through:

- portfolio exam

Responsible for this module:

- Prof. Dr. Maria Henke

Teacher:

- Institute for Robotics and Cognitive Systems
- Prof. Dr. Maria Henke

Literature:

- will be announced:

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- None

Module Exam(s):
ME4520-L1: Portfolio Exam Introduction to Medical Device Regulation with a total of 100 points, divided as follows:
- 70 points for active participation in the classroom sessions and group work, submission of homework assignments
- 20 points for elaboration and presentations
- 10 points for an e-test

An ungraded Category B Certificate of Achievement will be awarded.

The course is divided into three parts: The part Basic Knowledge is the basis for the course parts General Requirements and Software Requirements and must be completed by all students. Students can choose between the two other parts of the course.

The module focuses on medical device law from the perspective of manufacturers and developers of medical devices. However, the module is not only aimed at future technical developers of medical devices but all those who can contribute to the design of medical devices in interdisciplinary teams.

A maximum of 40 students can participate in one semester.

PS1050-KP04 - Intercultural skills in higher education, work and society (IKKSBG)

Duration:	Turnus of offer:	Credit points:	Max. group size:
1 Semester	each winter semester	4	15

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- Intercultural skills in higher education, work and society (seminar, 3 SWS)

Workload:

- 40 Hours private studies
- 38 Hours in-classroom work
- 22 Hours group work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- continuous, successful participation in course
- Group work
- Active Participation

Responsible for this module:

- Prof. Dr. rer. nat. Till Tantau

Teacher:

- International Office
- Dr. Imke Lode
- Matthias Holzum

Literature:

- :
- :
- :

Language:

- offered only in German

PS4620-KP04, PS4620SJ14 - Ethics of Sciences (EthikKP04)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	4 (Typ B)

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester
- Master Medical Informatics 2019 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Bachelor MES 2014 (optional subject), no specific field, Arbitrary semester
- Master MES 2014 (optional subject), no specific field, 1st or 2nd semester
- Master Medical Informatics 2014 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Ethics in the Life Sciences (seminar, 2 SWS)

Workload:

- 65 Hours private studies
- 30 Hours in-classroom work
- 25 Hours work on an individual topic with written and oral presentation

Contents of teaching:

- Societal and ethical implications of research in biomedical sciences and technologies
- Basics of philosophy and sociology of science
- Good scientific practice
- Basics of bioethics: duties of investigators, obligations to colleagues,
- Ethics of human subjects research and animal experiments, environmental ethics. Governance of technology,risk assessement
- Neuroethics
- Ethics of AI and robotics

Qualification-goals/Competencies:

- Students can explain the methodology of the physical sciences and technology and their philosophical basis
- They can recognize ethical dimensions of practice and deciding
- They can identify and assess ethical dimensions of action and decision-making in biotechnology and AI
- They can understand relevant laws in Germany
- They can participate in current discussions in bioethics and research ethics
- They can reflect on ethical dimensions of biomedical sciences

Grading through:

- continuous, successful participation in course

Responsible for this module:

- Prof. Dr. phil. Christoph Rehmann-Sutter

Teacher:

- Institute for History of Medicine and Science Studies

- Prof. Dr. med. Cornelius Borck
- Prof. Dr. phil. Christoph Rehmann-Sutter
- Prof. Dr. phil. Christina Schües
- Dr. phil. Frank Wörler

Literature:

- Urban Wiesing (Hg.):: Ethik in der Medizin. Ein Studienbuch - Stuttgart: Reclam 5. Aufl. 2020
- Ben Mepham: Bioethics. An Introduction for the Biosciences - Oxford: Oxford University Press 2008
- Jennifer A. Parks, Victoria S. Wike: Bioethics in a Changing World - Upper Saddle River, N.J.: Prentice Hall, 2010

Language:

- offered only in English

Notes:

Prerequisites for attending the module:
- None

Prerequisites for the exam:
- Writing an essay and giving a lecture

PS4670-KP04 - Studium Generale (StuGen)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4 (Typ B)

Course of study, specific field and term:

- Master Artificial Intelligence 2023 (optional subject), for equivalence check, Arbitrary semester
- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Studium Generale (, 1 SWS)
- Studium Generale (seminar, 1 SWS)

Workload:

- 60 Hours private studies
- 30 Hours work on an individual topic with written and oral presentation
- 30 Hours in-classroom work

Contents of teaching:

- Current social and political topics
- Philosophical, cultural studies and contemporary history perspectives
- Current discussions from science, politics and society
- Text reading and discussions about specialized scientific texts

Qualification-goals/Competencies:

- Students can see through argumentation structures
- They can increase their analysis, reflection and argumentation skills
- Expand knowledge of social and political issues and their current debates.
- Development of a cultural, philosophical, and contemporary historical understanding of the contexts of medicine, the natural sciences, the life sciences, technology, computer science, the health sciences, and psychology.

Grading through:

- continuous, successful participation in course

Responsible for this module:

- Prof. Dr. phil Christina Schües

Teacher:

- Institute for History of Medicine and Science Studies

- Prof. Dr. phil Christina Schües
- Prof. Dr. med. Cornelius Borck
- Prof. Dr. phil. Christoph Rehmann-Sutter
- Dr. phil. Birgit Stammberger
- externe Referent*innen

Literature:

- :

Language:

- offered only in German

Notes:

Prerequisites for attending the module:
- None

Prerequisites for the exam:
- Active participation in the seminar
- Written elaboration according to the requirements at the beginning of the semester

Module exam(s):
- PS4670-L1: Studium Generale, ungraded seminar, 0% of module grade, must be passed.

PS4680-KP04 - About Racism and other -Isms (RassIs)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4 (Typ B)

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses for health sciences (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- About Racism and other -Isms (seminar, 2 SWS)

Workload:

- 60 Hours private studies
- 30 Hours work on an individual topic with written and oral presentation
- 30 Hours in-classroom work

Contents of teaching:

- Current social and political discussion on racism
- Conceptual reappraisal of the historical, cultural and social background of e.g. race, gender or eugenics
- Reading and discussion of scientific texts
- Development of perspectives critical of racism

Qualification-goals/Competencies:

- Students can understand and evaluate the structures of concepts and arguments
- Increasing their ability to analyse, reflect and argue
- Expanding the knowledge in a subject area that is cross-disciplinary
- Development of a philosophical, historical and cultural-theoretical understanding of the social contexts of psychology, medicine, natural and life sciences.

Grading through:

- continuous, successful participation in course

Responsible for this module:

- Prof. Dr. phil Christina Schües

Teacher:

- Institute for History of Medicine and Science Studies
- Prof. Dr. phil Christina Schües

Literature:

- :

Language:

- German and English skills required

Notes:

Prerequisites for attending the module:
- None

Prerequisites for the exam:
- Written preparation and giving a lecture during the semester

PS5000-KP06, PS5000 - Student Conference (ST)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	6 (Typ B)

Course of study, specific field and term:

- Master Psychology - Cognitive Systems 2022 (compulsory), psychology, 3rd semester
- Master Biophysics 2023 (compulsory), biophysics, 3rd semester
- Master Auditory Technology 2022 (compulsory), Auditory Technology, 3rd semester
- Master MES 2020 (compulsory), interdisciplinary competence, 3rd semester
- Master Medical Informatics 2019 (compulsory), interdisciplinary competence, 3rd semester
- Master Biophysics 2019 (compulsory), biophysics, 3rd semester
- Master Auditory Technology 2017 (compulsory), Auditory Technology, 3rd semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Robotics and Autonomous Systems 2019 (compulsory), Compulsory courses, 3rd semester
- Master Medical Informatics 2014 (compulsory), interdisciplinary competence, 3rd semester
- Master MES 2014 (compulsory), interdisciplinary competence, 3rd semester

Classes and lectures:

- Student Conference (seminar, 4 SWS)

Workload:

- 155 Hours work on an individual topic (research and development) and written elaboration
- 25 Hours in-classroom work

Contents of teaching:

- Preparation of a scientific publication in English based on the results of at least one of the project internships
- Preparation of a scientific poster in English based on the results of at least one of the project internships
- Presentation of a scientific poster in German or English, based on the results of at least one of the project internships
- Talk in English based on the results of at least one of the project internships
- Active participation in scientific discussions
- Active participation in a scientific peer-review process

Qualification-goals/Competencies:

- Students have experience in a comprehensive review of a scientific topic
- They are able to get an extensive overview of a complex scientific area
- They have the experience and ability to take an active part in scientific discussions
- They are able to defend one's work successfully in a scientific discourse
- They have knowledge of the peer-review process of publications
- They are able to constructively criticize in a blind peer-review process
-

Grading through:

- continuous, successful participation in course

Responsible for this module:

- Prof. Dr. rer. nat. habil. Heinz Handels
- Prof. Dr. rer. nat. Thorsten Buzug

Teacher:

- All Institutes and Clinics of the Universität zu Lübeck

Literature:

- is selected individually:

Language:

- offered only in English

Notes:

Admission requirements for the module:
- Successful completion of at least one project internship.
- Registration for at least one project internship is required.

Admission requirements for the examination:
- Regular and successful participation

Since the content of the presentation should reflect the results of at least one of the project internships, the students will be supervised by the same university lecturer that supervised the internships. Internships can be carried out at home or abroad in medical technology companies, audiology companies and IT companies in the healthcare industry as well as hospitals and scientific institutions. The supervision by an university lecturer is obligatory.

Students for whom this course is a compulsory module have priority.

(The share of the Institute of Medical Technology in all is 75%)
(Share of medical informatics in all is 25%)

PS5010-KP04 - Sustainable Power Supply (EnergieZuk)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	4 (Typ B)

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses for health sciences (optional subject), Interdisciplinary modules, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester

Classes and lectures:

- Sustainable Power Supply (lecture, 2 SWS)
- Sustainable Power Supply (seminar and project work, 2 SWS)

Workload:

- 60 Hours work on project
- 50 Hours in-classroom work
- 10 Hours excursion

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- presentation
- Oral examination

Responsible for this module:

- Prof. Dr. Martin Leucker

Teacher:

- Institute of Software Technology and Programming Languages
- Dr. Matthias Meinefeld

Literature:

- Energy Institute (EI): Statistical Review of World Energy - https://www.energyinst.org/statistical-review
- BDEW: Die Energieversorgung 2023 Jahresbericht - hhttps://www.bdew.de/service/publikationen/jahresbericht-energieversorgung/

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- Presentation during the semester as specified at the beginning of the semester

Module examination(s):
- PS5010-L1: Sustainable energy supply, oral examination, 100% of the (non-existent) module grade

This module will be offered for the last time in winter semester 2024/25.

PS5430-KP04 - Ethical Design Considerations in Medical Technology (EthMedTech)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	4

Course of study, specific field and term:

- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master MES 2020 (optional subject), interdisciplinary, Arbitrary semester
- Medicine clinical part (optional subject), Elective, Arbitrary semester
- Master MES 2014 (optional subject), no specific field, 2nd semester at the earliest

Classes and lectures:

- Ethical Design Considerations in Medical Technology (lecture, 2 SWS)
- Ethical Design Considerations in Medical Technology (project work, 1 SWS)

Workload:

- 75 Hours private studies
- 30 Hours in-classroom work
- 15 Hours work on project

Contents of teaching:

- Basic concepts and methods in ethics.
- Ethical decision models.
- Case studies and projects in ethical decision-making in medical technology.
- Innovation methods based on the adapted BIODESIGN principle.
- Innovation games, business-, value proposition- and ethics-canvas

Qualification-goals/Competencies:

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Grading through:

- portfolio exam
- participation in discussions
- certificate for exercises
- Presentation of oral talk/poster
- contributions to the discussion

Responsible for this module:

- Prof. Dr.-Ing. Christian Herzog

Teacher:

- Institute for Electrical Engineering in Medicine
- Prof. Dr.-Ing. Christian Herzog

Language:

- English, except in case of only German-speaking participants

Notes:

Prerequisites for attending the module:
- None

PS5810-KP04, PS5810 - Scientific Teaching and Tutoring (WLehrKP04)

Duration:	Turnus of offer:	Credit points:
1 Semester	irregularly	4 (Typ B)

Course of study, specific field and term:

- Bachelor Interdisciplinary Courses for health sciences (optional subject), interdisciplinary competence, Arbitrary semester
- Master Computer Science 2019 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Entrepreneurship in Digital Technologies 2020 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), Interdisciplinary modules, Arbitrary semester
- Master CLS 2016 (optional subject), Interdisciplinary modules, 3rd semester
- Master Entrepreneurship in Digital Technologies 2014 (optional subject), interdisciplinary competence, Arbitrary semester
- Master Media Informatics 2014 (optional subject), interdisciplinary competence, Arbitrary semester
- Master MES 2014 (optional subject), no specific field, 1st or 2nd semester
- Bachelor MES 2014 (optional subject), no specific field, Arbitrary semester
- Master Computer Science 2014 (optional subject), interdisciplinary competence, Arbitrary semester
- Master CLS 2010 (optional suject), interdisciplinary competence, 3rd semester
- Master Computer Science 2012 (optional subject), interdisciplinary competence, Arbitrary semester

Classes and lectures:

- Theory and Practice of Good Teaching (seminar, 1 SWS)
- Work as a tutor in a lecture (practical course, 2 SWS)

Workload:

- 60 Hours private studies and exercises
- 45 Hours oral presentation (including preparation)
- 15 Hours in-classroom work

Contents of teaching:

- Organizing and running a scientific lecture
- Basic didactics of scientific teaching
- Practical work in tutorials

Qualification-goals/Competencies:

- The participants are able to lead a student working group and to communicate technical issues to it appropriately.
- Basic pedagogical and didactical skills

Grading through:

- continuous participation in all courses of the module

Responsible for this module:

- Prof. Dr. rer. nat. Nico Bunzeck
- Prof. Dr. rer. nat. Jürgen Prestin

Teacher:

- Institute for Mathematics
- PD Dr. rer. nat. Jörn Schnieder
- Alle prüfungsberechtigten Dozentinnen/Dozenten des Studienganges
- Corinna Lütsch

Language:

- depends on the chosen courses

Notes:

The seminar must be attended before working as a tutor. This activity cannot be remunerated.

The course instructor in charge of the respective course will issue a certificate of achievement for the module.

CS3510-KP04 - Data protection law and information security (DatInfoSec)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	4 (Typ B)

Course of study, specific field and term:

- Master Medical Informatics 2019 (optional subject), interdisciplinary competence, 1st or 2nd semester
- Bachelor Medical Informatics 2019 (optional subject), interdisciplinary competence, 4th to 6th semester
- Master Interdisciplinary Courses (optional subject), interdisciplinary, Arbitrary semester
- Bachelor Interdisciplinary Courses (optional subject), interdisciplinary, Arbitrary semester
- Bachelor Interdisciplinary Courses for health sciences (optional suject), interdisciplinary, Arbitrary semester

Classes and lectures:

- CS3510-V: Data protection law and information security (lecture, 2 SWS)
- CS3510-Ü: Data protection law and information security (exercise, 1 SWS)

Workload:

- 60 Hours private studies
- 40 Hours in-classroom work
- 20 Hours exam preparation

Contents of teaching:

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Qualification-goals/Competencies:

- Students can recognize and apply the legal framework for data protection and information security for persons who are responsible for a data processing system.
- Students can assess what they need to consider legally when developing, implementing and operating data processing systems.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr.-Ing. Thomas Eisenbarth

Teacher:

- Institute for IT Security
- externe Referent*innen

Literature:

- :
- :
- :
- :
- :

Language:

- offered only in German

Notes:

Admission requirements for taking the module(s):
- None

Admission requirements for participation in module examination(s)
- None

Module examination:
- CS3510-KP04 Data protection law and information security Written exam, 100 % of the module grade