

Bachelor's Degree Programme

Programme (department)	Course unit code	Course unit title	Course type	Semester (level)	Level	ECTS	Page
Automotive Computing (Bachelor, Hagenberg Campus)							
AC.ba	DAB4 U	Database Design	Practice-oriented session	4	Bachelor	3	5
AC.ba	DAB4 V	Database Design	Lecture	4	Bachelor	2	6
AC.ba	WDP4 U	Web Development	Practice-oriented session	4	Bachelor	3	7
AC.ba	WDP4 V	Web Development	Lecture	4	Bachelor	2	8
Hardware-Software-Design (Bachelor, Hagenberg Campus)							
HSD.ba	ENG2-17ILV	English 2	Integrated course	2	Bachelor	2	9
Communication and Knowledge Media (Bachelor, Hagenberg Campus)							
KWM.ba	AUP6VO	Adaptivity and Personalization	Lecture	6	Bachelor	2	10
KWM.ba	ENG2UE	English II	Practice-oriented session	2	Bachelor	1	12
KWM.ba	WAC2IL	Web Accessibility	Integrated course	2	Bachelor	1	13
KWM.ba	WHM2VO	Web and Hypermedia Programming	Lecture	2	Bachelor	1	16
Mobile Computing (Bachelor, Hagenberg Campus)							
MC.ba	4_SEA	Software Development Using Android	Integrated course	2	Bachelor	5	18
MC.ba	4_SEI	Software Development Using iOS/Swift	Integrated course	2	Bachelor	5	19
MC.ba	5_ADA	Advanced Android	Integrated course	4	Bachelor	5	20
MC.ba	5_ADI	Advanced iOS	Integrated course	4	Bachelor	5	21
MC.ba	5_DAB4 U	Database Design	Practice-oriented session	4	Bachelor	3	22
MC.ba	5_DAB4 V	Database Design	Lecture	4	Bachelor	2	23
MC.ba	5_WDP	Web Development	Integrated course	4	Bachelor	5	24

Programme (department)	Course unit code	Course unit title	Course type	Semester (level)	Level	ECTS	Page
Media Technology and Design (Bachelor, Hagenberg Campus)							
MTD.ba	45_MTD270	Audio/Video Production	Integrated course	4	Bachelor	5,88	25
MTD.ba	45_MTD272	Generative Art	Integrated course	4	Bachelor	5	26
MTD.ba	45_MTD280	Online Multimedia	Integrated course	4	Bachelor	5	27
MTD.ba	45_MTD282	Usability and Interaction Design	Integrated course	4	Bachelor	5	28
MTD.ba	45_MTD283	Postproduction and Compositing	Integrated course	4	Bachelor	1,67	29
MTD.ba	45_MTD284	Human-centered Artificial Intelligence	Integrated course	4	Bachelor	5	30
MTD.ba	45_MTD290A	Project 1	Project	4	Bachelor	6	31
MTD.ba	45_MTD292	Project 2	Project	4	Bachelor	7	32

Master's Degree Programme

Programme (department)	Course unit code	Course unit title	Course type	Semester (level)	Level	ECTS	Page
Energy Informatics (Master, Hagenberg Campus)							
ENI.ma	ENI405	Energy Generation, Distribution and Storage	Integrated course	2	Master	5	33
ENI.ma	ENI502	Smart Grid Field Components	Integrated course	2	Master	5	34
ENI.ma	ENI503	IT Security	Integrated course	2	Master	5	35
ENI.ma	ENI504	Software Systems I	Integrated course	2	Master	5	36
ENI.ma	ENI505	International Project Management	Integrated course	2	Master	5	37
ENI.ma	ENI510	Electromobility	Integrated course	2	Master	5	38
ENI.ma	ENI513	Project	Project	4	Master	1,5	40
Interactive Media (Master, Hagenberg Campus)							
IM.ma	IM500	Artificial Intelligence	Integrated course	2	Master	4,5	41
IM.ma	IM510	Networked/Distributed Systems	Integrated course	2	Master	4,5	42
IM.ma	IM520	Computer Vision	Integrated course	2	Master	6	43
IM.ma	IM530	Rich Internet Applications	Integrated course	2	Master	6	44
IM.ma	IM531	Hypermedia User Experience Engineering	Integrated course	2	Master	6	45
IM.ma	IM540	Game Production (?)	Integrated course	2	Master	6	46
Communication and Knowledge Media (Master, Hagenberg Campus)							
KWM.ma	KWM510	Intercultural Online Collaboration	Integrated course	2	Master	5	47
KWM.ma	KWM531	Leadership	Integrated course	2	Master	2,5	48
Mobile Computing (Master, Hagenberg Campus)							
MC.ma	3_MC501	Artificial Intelligence	Integrated course	2	Master	5	50

Programme (department)	Course unit code	Course unit title	Course type	Semester (level)	Level	ECTS	Page
Mobile Computing (Master, Hagenberg Campus)							
MC.ma	3_MC507	Cross-Platform Development of Mobile Applications	Integrated course	2	Master	5	51
MC.ma	3_MC522	Blockchains	Integrated course	2	Master	5	52
MC.ma	3_MC530	Usability	Integrated course	2/4	Master	5	53
MC.ma	3_MC531	Drive Concepts	Integrated course	2	Master	5	54
Software Engineering (Master, Hagenberg Campus)							
SE.ma	15_DML2ILV	Data Mining and Machine Learning	Integrated course	2	Master	5	55
SE.ma	15_KI2ILV	Artificial Intelligence	Integrated course	2	Master	5	56
Information Security Management (Master – Part Time, Hagenberg Campus)							
ISM.ma	CCC2ILV	Cross Cultural Business Communication	Integrated course	2	Master	3	57

Lecture/Seminar profile:**Database Design (DAB4 U)**

Degree course	AC.ba
Course title	Database Design
Course code	DAB4 U
Level	Bachelor
Term	SS22
Lecturer	Andreas Müller
Contact hours per week	2,4
ECTS credits	3
Course type	Practice-oriented session
Examinations	continuous assessment
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

In this course we will discuss fundamental concepts of databases (relationl and non-relational). Topics include Entity Relationship Diagrams, Relational Models & SQL, Stored Procedures, Triggers, Indexes, Concurrency, NoSQL, APIs & ORM and Security.

Prerequisites:

n.a.

Lecture/Seminar profile:**Database Design (DAB4 V)**

Degree course	AC.ba
Course title	Database Design
Course code	DAB4 V
Level	Bachelor
Term	SS22
Lecturer	Andreas Müller
Contact hours per week	1,6
ECTS credits	2
Course type	Lecture
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

In this course we will discuss fundamental concepts of databases (relationl and non-relational). Topics include Entity Relationship Diagrams, Relational Models & SQL, Stored Procedures, Triggers, Indexes, Concurrency, NoSQL, APIs & ORM and Security.

Prerequisites:

n.a.

Lecture/Seminar profile:

Web Development (WDP4 U)

Degree course	AC.ba
Course title	Web Development
Course code	WDP4 U
Level	Bachelor
Term	SS22
Lecturer	Alexander Fried
Contact hours per week	2,4
ECTS credits	3
Course type	Practice-oriented session
Examinations	continuous assessment
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:

Web Development (WDP4 V)

Degree course	AC.ba
Course title	Web Development
Course code	WDP4 V
Level	Bachelor
Term	SS22
Lecturer	Alexander Fried
Contact hours per week	1,6
ECTS credits	2
Course type	Lecture
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:

English 2 (ENG2-17ILV)

Degree course	HSD.ba
Course title	English 2
Course code	ENG2-17ILV
Level	Bachelor
Term	SS22
Lecturer	Julia Maria Lengauer
Contact hours per week	2
ECTS credits	2
Course type	Integrated course
Examinations	continuous assessment
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:

Adaptivity and Personalization (AUP6VO)

Degree course	KWM.ba
Course title	Adaptivity and Personalization
Course code	AUP6VO
Level	Bachelor
Term	SS22
Lecturer	Mirjam Augstein, Markus Schedl
Contact hours per week	2
ECTS credits	2
Course type	Lecture
Examinations	written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Course Description:

Adaptivity is a way of making systems personalized to users – in many ways. For example, adaptivity can affect the graphical user interface of a system, which then automatically adapts to the user, but also the type and amount of content presented. The latter means a way out of the so-called “information dilemma” which has become a growing problem since the early days of the Internet. The rapidly increasing amount of available information as well as the increasing diversity of users pose new challenges to the designers and developers of the systems. A single representation is often no longer sufficient. This course deals with the basics of personalization and adaptive systems. Different aspects of adaptive systems are covered, starting with the goals of adaptivity, user modeling techniques, security aspects, and evaluation of adaptive systems. The goal of the course is to provide a holistic overview of the topic. Technical aspects as well as the user perspective will be considered. After completing the course, students should be able to design adaptive systems and know and apply methods for the acquisition, analysis and interpretation of data that serve as a basis for adaptivity. Furthermore, students should be able to evaluate adaptive systems in terms of usability and added value compared to non-adaptive variants.

Prerequisites for the Course:

Students participating in the course need to have basic (web) programming skills and should be familiar with the basics of human-centered design.

Assessment:

The course will be assessed by a written exam at the end of the semester. Students need to achieve at least 50% of the obtainable points in order to complete the course positively.

Prerequisites:

n.a.

Lecture/Seminar profile:**English II (ENG2UE)**

Degree course	KWM.ba
Course title	English II
Course code	ENG2UE
Level	Bachelor
Term	SS22
Lecturer	Annamaria Mähr
Contact hours per week	1
ECTS credits	1
Course type	Practice-oriented session
Examinations	written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

In this course you will learn how to effectively deliver elevator pitches and how to talk shop proficiently. In addition, a number of grammar-related topics are covered (gerund, conditionals, adjectives).

Prepare, review and read materials for class. Carry out verbal and written assignments. Complete oral and written classroom assignments. Engage in group-, pair- and roleplay activities. Participate in discussions & give feedback when called upon. Grammar reviews. Leading a discussion. Final grammar examination.

Prerequisites: A sound knowledge of English, a minimum of B2-level. The prerequisite for passing the course is the fulfilment of all assignments.

Prerequisites:

n.a.

Lecture/Seminar profile:**Web Accessibility (WAC2IL)**

Degree course	KWM.ba
Course title	Web Accessibility
Course code	WAC2IL
Level	Bachelor
Term	SS22
Lecturer	Reinhard Koutny, Peter Heumader
Contact hours per week	1
ECTS credits	1
Course type	Integrated course
Examinations	continuous assessment
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Goals:

Accessibility of web and software systems is of crucial importance for the inclusion and participation of people with disabilities and older people (13ynchro. 20% of the total population) in the information and knowledge society. The way web and software interfaces are designed, determines whether independent and self-directed interaction and access for people with disabilities is possible. In the information society, disability is no longer just an attribute of the individual but a quality criterion for the design of the information and communication technology (ICT)-based living environment.

This requirement for the design, implementation and use of technical systems is reflected in political directives, laws and increasingly also in social and economic requirements. In addition, accessibility of web and software systems is an essential contribution to increasing usability and user experience for all people, regardless of age and/or any disabilities.

Graduates of this lecture:

- gain broad awareness of the problems and needs of people with disabilities and older people when interacting with standard hardware and websites or software systems,
- have basic knowledge about assistive technology that standard hardware and software already provide today and about specialized assistive technology (AT) that these people (can) use at the human-computer interface (HCI),
- recognize the potential of accessible user interfaces to mitigate the effects of disabilities and to improve inclusion, care, and support of people with disabilities,

- develop awareness and understanding of the need for accessibility as a basic condition for realizing this potential in inclusion and participation in all areas of life,
- gain in-depth knowledge of technical standards for accessible web and software development
- learn to use different methods, techniques and tools in the implementation of the standards,
- acquire knowledge of how these standards are implemented with different development environments on different platforms,
- learn methods and use tools for evaluating accessibility,
- are able to independently carry out exemplary practical examples in design and programming,
- develop competencies to realize accessibility at the current state of the art, but also in the future,
- understand accessibility as an integral part of web/software engineering

Lecture Content:

1. Introduction:

- Objectives and overview of the lecture
 - What is accessibility and why is accessibility important.
 - Overview of guidelines
 - Assistive technologies and their types of interaction with user interfaces of web/software systems
 - Self-experience: browsing and using ICT without screen, mouse, and keyboard; target audience.
2. Accessibility guidelines, their exemplary implementation and application examples (Part 1)
- Principle 1: Perceivability: equivalent alternatives, adaptation of content, ...
3. accessibility guidelines, their exemplary implementation and application examples(Part 2)
- Principle 2: Operability: keyboard interface, navigation, time, ...
4. accessibility guidelines, their exemplary implementation and application examples (Part 3)
- Principle 3: Understandability: readability, user guidance, error prevention, ...
 - Principle 4: Robustness: Compatibility with AT and other user agents, ...
 - WCAG 2.1
5. Accessible dynamic web and software systems: Accessible Rich Internet Applications (WAI-ARIA)
- HTML 5 Accessibility
 - What is WAI-ARIA?
 - ARIA elements and methods
 - ARIA Examples

Teaching/Learning Methods, Media:

The course consists of

- Lecture/presentation part (10 LE all participants)
- Lab (9 LE 2 groups)
- Exercises to be done independently

Accompanying the lecture, 2 practical exercise projects are handed out, which the students work out during the course of the semester. This fosters the development of competencies in the independent implementation of accessibility. Exercise details, teaching materials, further communication and exercise submission will be realized via Moodle.

LAB:

- Assistive Technologies (2 LE)
- Accessible web development basics 1(3 LE)
- Website accessibility check + checker tools(2 LE)
- ARIA/HTML 5(2 LE)

Exercise:

- Project: WCAG 2.1 Evaluation
- Project: Web site accessibility

Form of performance assessment and evaluation criteria

The grade is made up of the projects to be submitted, whereby both projects must be positively graded. Each project is graded from 0-100%, with 100% corresponding to a perfectly elaborated project. Projects that have achieved at least 50% are considered positively submitted. The grade is the average of the two projects.

Literature:

Microsoft: Engineering Software for Accessibility, Microsoft Press
Jan Erich Hellbusch, Kerstin Probiesch: Barrierefreiheit verstehen und umsetzen: Webstandards für ein zugängliches und nutzbares Internet, dPunkt-Verlag, 2012
W3C: Web Accessibility Initiative (WAI): <http://www.w3.org/WAI/>
Connor, Joshue O. "Introduction to HTML5 Accessibility." Apress, 2012. 1-22.
Horton, Sarah, and Whitney Quesenbery. A web for everyone: designing accessible user experiences. Rosenfeld Media, 2014.

Prerequisites:

n.a.

Lecture/Seminar profile:**Web and Hypermedia Programming (WHM2VO)**

Degree course	KWM.ba
Course title	Web and Hypermedia Programming
Course code	WHM2VO
Level	Bachelor
Term	SS22
Lecturer	Johannes Schönböck
Contact hours per week	1
ECTS credits	1
Course type	Lecture
Examinations	written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Graduates have basic knowledge in the conception, design and implementation of hypermedia applications, taking into account usability, standards compliance and progressive enhancement. The implementation is based on modern languages and tools. The focus of the course is on client-side web development with JavaScript. Students will gain a detailed insight into the basic concepts and technologies of the web, with current design trends and frameworks (jQuery) being scrutinized and explored using practical examples.

Web standards, concepts, protocols and technologies:

- HTML
- CSS
- Document Object Model (DOM)

Introduction into Client Side Scripting:

- JavaScript basics
- Document Object Model (DOM)
- Object-oriented programming in JavaScript

Use of Frameworks:

- Basics of JavaScript frameworks (like jQuery)
- UI frameworks

The lecture is evaluated by means of a written exam at the end of the semester, in which questions for understanding the subject matter have to be answered as well as practical examples have to be worked out. The total number of points will result in the grade. For a positive completion of the lecture, at least 50% must be achieved.

Prerequisites:

n.a.

Lecture/Seminar profile:**Software Development Using Android (4_SEA)**

Degree course	MC.ba
Course title	Software Development Using Android
Course code	4_SEA
Level	Bachelor
Term	SS22
Lecturer	Jens Krösche
Contact hours per week	4
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

An Android development course for beginners covering the basics of Android development using Kotlin.

Prerequisites:

n.a.

Lecture/Seminar profile:**Software Development Using iOS/Swift (4_SEI)**

Degree course	MC.ba
Course title	Software Development Using iOS/Swift
Course code	4_SEI
Level	Bachelor
Term	SS22
Lecturer	
Contact hours per week	4
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

- Development with the programming language Swift
- Usage of common iOS frameworks (UIKit, Core Data etc.)
- Development of iOS apps with Xcode

Content:

- Introduction
- Swift Fundamentals
- UIKit
- Intro to Xcode
- Data & Testing
- Git & Networking
- Core Data
- SwiftUI
- App Store Submissions & Tools

Prerequisites:

n.a.

Lecture/Seminar profile:

Advanced Android (5_ADA)

Degree course	MC.ba
Course title	Advanced Android
Course code	5_ADA
Level	Bachelor
Term	SS22
Lecturer	Stephan Brunner
Contact hours per week	4
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:**Advanced iOS (5_ADI)**

Degree course	MC.ba
Course title	Advanced iOS
Course code	5_ADI
Level	Bachelor
Term	SS22
Lecturer	Mathias Aichinger
Contact hours per week	4
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

Ability to develop sophisticated apps, Ability to asynchronously submit apps, Ability to debug and profile apps

Content:

This course will cover advanced topics of iOS development. At the beginning we cover advanced UIKit concepts, like auto layout, collection views and animations. As an alternative to traditional UI development, we will look into SwiftUI. Afterwards, to get data into the apps, we will look into concurrency and network concepts. At the end we learn how to submit the finished app and how to keep bigger apps maintainable.

Prerequisites:

n.a.

Lecture/Seminar profile:**Database Design (5_DAB4 U)**

Degree course	MC.ba
Course title	Database Design
Course code	5_DAB4 U
Level	Bachelor
Term	SS22
Lecturer	Erik Sonnleitner
Contact hours per week	2,4
ECTS credits	3
Course type	Practice-oriented session
Examinations	continuous assessment
Language of instruction	English
Places for international students	4

Learning objectives:

n.a.

Content:

The goal of this course is to achieve a holistic understanding of modern database systems, especially towards relational and so-called NoSQL databases. We will start with database essentials, designing entity relationship diagrams, relational modeling and SQL (including DDL, DML, Trigger, Stored Procedures, etc). Moreover, database internals including transactions, concurrency protocols, security and physical data organization are presented. We'll also cover the heterogeneous landscape of modern NoSQL-style database systems, common APIs and security hardening.

Prerequisites:

n.a.

Lecture/Seminar profile:**Database Design (5_DAB4 V)**

Degree course	MC.ba
Course title	Database Design
Course code	5_DAB4 V
Level	Bachelor
Term	SS22
Lecturer	Erik Sonnleitner
Contact hours per week	1,6
ECTS credits	2
Course type	Lecture
Examinations	written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

The goal of this course is to achieve a holistic understanding of modern database systems, especially towards relational and so-called NoSQL databases. We will start with database essentials, designing entity relationship diagrams, relational modeling and SQL (including DDL, DML, Trigger, Stored Procedures, etc). Moreover, database internals including transactions, concurrency protocols, security and physical data organization are presented. We'll also cover the heterogeneous landscape of modern NoSQL-style database systems, common APIs and security hardening.

Prerequisites:

n.a.

Lecture/Seminar profile:

Web Development (5_WDP)

Degree course	MC.ba
Course title	Web Development
Course code	5_WDP
Level	Bachelor
Term	SS22
Lecturer	
Contact hours per week	4
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:**Audio/Video Production (45_MTD270)**

Degree course	MTD.ba
Course title	Audio/Video Production
Course code	45_MTD270
Level	Bachelor
Term	SS22
Lecturer	Christoph Schaufler, Roland Keil, Dinko Draganovic, Philipp Pölz
Contact hours per week	3,29
ECTS credits	5,88
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	12

Learning objectives:

n.a.

Content:

Concept, planning, and implementation of a short film. Practically orientated work in small teams ranging from story development, through location recording to post production. Preliminary and accompanying topics include: introduction to the audio studio, 25ynchronization between audio and video, use of camera and light, booming, stereo recording, sound design, advanced audio & video editing techniques and post production / proofing.

Prerequisites:

n.a.

Lecture/Seminar profile:**Generative Art (45_MTD272)**

Degree course	MTD.ba
Course title	Generative Art
Course code	45_MTD272
Level	Bachelor
Term	SS22
Lecturer	Katharina Mayrhofer
Contact hours per week	2,8
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

Use of algorithmic / procedural techniques for the synthesis of audio-visual objects. Dealing with current data flow programming environments that gradually introduce basic objects and their functionality using specially developed tutorial patches, implementation of MIDI controllers, synthesizers and real-time audio effects, interaction of audio and video in terms of complex media installations, use of creative input devices such as game controllers for controlling audio / video applications.

Prerequisites:

n.a.

Lecture/Seminar profile:**Online Multimedia (45_MTD280)**

Degree course	MTD.ba
Course title	Online Multimedia
Course code	45_MTD280
Level	Bachelor
Term	SS22
Lecturer	Rimbert Rudisch-Sommer
Contact hours per week	2,8
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

Current Clientside Web-Technologies: Advanced Javascript Techniques (Module Pattern, Inheritance, ES2015), Single Page Applications with MV* Frameworks, HTML-5 Javascript APIs (eg. Canvas, Audio/Video, Storage, Caching, Webworker, WebSockets, Geolocation, WebComponents...)

Prerequisites:

n.a.

Lecture/Seminar profile:

Usability and Interaction Design (45_MTD282)

Degree course	MTD.ba
Course title	Usability and Interaction Design
Course code	45_MTD282
Level	Bachelor
Term	SS22
Lecturer	
Contact hours per week	2,8
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

The course "Usability & Interaction Design" deals with the design, creation and evaluation of interface concepts. It has a strong focus on visual interface design strategies and practices. Students will create sketches, mock-ups, and low-fi prototypes that aim at specific user groups. Topics such as HCI (Human-Computer Interaction) basics, user experience design, prototyping and other special aspects in HCI will be covered.

Prerequisites:

n.a.

Lecture/Seminar profile:**Postproduction and Compositing (45_MTD283)**

Degree course	MTD.ba
Course title	Postproduction and Compositing
Course code	45_MTD283
Level	Bachelor
Term	SS22
Lecturer	Patrick Proier
Contact hours per week	0,93
ECTS credits	1,67
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

Introduction to workflow and post production techniques, instruction in the use of compositing tools to combine video footage and animation, creating basic post effects (e.g. Keying, Film Correction, color grading, etc) to optimize results.

Prerequisites:

n.a.

Lecture/Seminar profile:**Human-centered Artificial Intelligence (45_MTD284)**

Degree course	MTD.ba
Course title	Human-centered Artificial Intelligence
Course code	45_MTD284
Level	Bachelor
Term	SS22
Lecturer	Philipp Wintersberger
Contact hours per week	2,8
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

After successful completion of this course, students have basic knowledge on user interfaces, artificial intelligence (supervised, unsupervised, and reinforcement learning), and “human-in-the-loop” systems. Students further get a brief overview on human-AI interaction domains (i.e., recommender systems, chatbots, natural language processing, explainable artificial intelligence, adaptive and intelligent interfaces) and will develop their own “intelligent user interface” scenario using Unity3D and the ML-agents machine learning library. After successful completion, students are able to apply AI techniques to their own (and potentially other novel) interaction scenarios, and in combination with the human-centered design process.

Prerequisites:

n.a.

Lecture/Seminar profile:**Project 1 (45_MTD290A)**

Degree course	MTD.ba
Course title	Project 1
Course code	45_MTD290A
Level	Bachelor
Term	SS22
Lecturer	
Contact hours per week	4,5
ECTS credits	6
Course type	Project
Examinations	continuous assessment
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

Interactive media project. Projects are based on the knowledge and skills acquired during the first two semesters. Each project has a separate and specific goal. The project course is supplemented by the “project management” course.

Prerequisites:

n.a.

Lecture/Seminar profile:**Project 2 (45_MTD292)**

Degree course	MTD.ba
Course title	Project 2
Course code	45_MTD292
Level	Bachelor
Term	SS22
Lecturer	
Contact hours per week	9
ECTS credits	7
Course type	Project
Examinations	continuous assessment
Language of instruction	German/English
Places for international students	40

Learning objectives:

n.a.

Content:

The semester projects are designed to extend the focus of the existing curriculum and to allow for further specialization. Based on previous courses and the content of the elective modules, the theoretical content is put into practice in the form of a semester project. This provides a solid basis for project work that could serve as the initial focus of the bachelor thesis.

Prerequisites:

n.a.

Lecture/Seminar profile:

Energy Generation, Distribution and Storage (ENI405)

Degree course	ENI.ma
Course title	Energy Generation, Distribution and Storage
Course code	ENI405
Level	Master
Term	SS22
Lecturer	
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

- Power generation

Fossil, nuclear and renewables; harmonics and load system feedback; economic aspects of operation; plant deployment planning; maintenance and monitoring energy demand; forecasts; load fluctuations energy transmission and distribution; concepts and technologies; components; high voltage DC systems grid stability and load flow control; smart grid – a critical infrastructure; primary, secondary and tertiary control (e.g. PV and wind systems impact); load flow control; grid control (voltage, active / reactive power; frequency); protection and failure prevention and interruption; settling up after black out energy storage; hydro; batteries; hydrogen; flywheels; power to gas.

- Centralized versus distributed concepts

- Smart grid aspects

Idea; safety and emergency operation features.

Prerequisites:

According to the prerequisites for degree programme access

Lecture/Seminar profile:**Smart Grid Field Components (ENI502)**

Degree course	ENI.ma
Course title	Smart Grid Field Components
Course code	ENI502
Level	Master
Term	SS22
Lecturer	Friederich Kupzog, Shievam Kashyap
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

- Electricity meters (single phase, poly phase, CT), gas meters, water meters, cooling/heating meters: measuring principles, smart meter architectures, smart meter protocols (M-Bus, OMS, DLMS/COSEM, OSGP, meters and more, ...), homologation and verification.

- Load management components (ripple control)
- Gateways
- Power quality measurement components (EN 50160, ...)
- Switchgears, protection devices, automation devices, relevant standards (IEC 61850, ...)
- Charging stations and protocols (open charge point protocol, ...)

Prerequisites:

According to the prerequisites for degree programme access

Lecture/Seminar profile:**IT Security (ENI503)**

Degree course	ENI.ma
Course title	IT Security
Course code	ENI503
Level	Master
Term	SS22
Lecturer	Robert Kolmhofer, Alexander Leitner, Peter Burgstaller
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Terms and definitions in IT security, introduction into network security and cryptography and security aspects of Industrial Control Systems as well as an introduction into Smart Grid Security. Protection targets and security objectives, trends in IT security, cyber threats and threat analysis, introduction into IT risk management methods (topics, methods and standards like ISO 31000 and NIST SP300-80). An introduction into information security management (topics, methods and Security Standards like ISO 2700x family and BSI Grundschutz) and business continuity management. Additionally relevant international frameworks and models, like:

- Austrian Cyber-Security-Strategy (in German) (ÖSCS, 2013, BKA, BM.I, BMLVS)
- Cyber-Security Risk Analysis (in German) (KSÖ, BM.I, 2011)
- Austrian Programme for Critical Infrastructure Protection (AP-CIP, 2008, BM.I)
- European Programme for Critical Infrastructure Protection (EP-CIP, 2006)
- NIST Cyber-Security Framework (NIST-Guidelines for Smart Grid Cyber Security)
- NIST Guideline to Intrusion Detection and Prevention Systems
- NESCOR Guide to Penetration Testing for Electrical Utilities
- Schweizer IKT-Risikoanalyse

will be discussed.

Prerequisites:

According to the prerequisites for degree programme access

Lecture/Seminar profile:**Software Systems I (ENI504)**

Degree course	ENI.ma
Course title	Software Systems I
Course code	ENI504
Level	Master
Term	SS22
Lecturer	Armin Veichtlbauer
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

- Functionality of Operation Support, Business Support and Customer Information Systems: Headend systems (HES), grid management system (GMS), meter data management (MDM), energy data management (EDM), geographic information system (GIS), enterprise resource planning system (ERP), customer information systems (CIS).

- Principles of scalable architectures
- Common Information Model (CIM)
- Ongoing Standardization

Prerequisites:

According to the prerequisites for degree programme access

Lecture/Seminar profile:

International Project Management (ENI505)

Degree course	ENI.ma
Course title	International Project Management
Course code	ENI505
Level	Master
Term	SS22
Lecturer	Christoph Dopplinger
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

- Intercultural competences:

Global awareness, cultural dimensions and standards, negotiation styles and insights into cultural communication practices, management of multicultural projects based on case studies and critical incidents.

- Leadership skills:

Leadership theory, leading with cultural intelligence, common traits in leaders, change management and decision making processes, conflict resolution.

- International project management:

Characteristics of international projects, pitfalls and success factors, project concept creation, force field analysis.

Prerequisites:

According to the prerequisites for degree program access

Lecture/Seminar profile:

Electromobility (ENI510)

Degree course	ENI.ma
Course title	Electromobility
Course code	ENI510
Level	Master
Term	SS22
Lecturer	Shievam Kashyap
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

- Types of electrical cars

Full electric vehicles, hybrid systems.

- Basic topologies

- Comparison of electric and combustion engine concepts

- Dominant energy consumption effects

- Environmental impact

Influence on carbon dioxide balance with respect to power generation and life cycle, nitric oxide impact, noise aspects.

- Electrical drives

Basic drive concepts (motor types, wheel hub concepts), energy efficiency aspects.

- Battery systems

Operational behaviour, lifetime aspects, range aspects, future technologies.

- Auxiliary consumers in cars and aspects of consumption decreasing

Air condition, defroster, lighting, etc.

- Safety aspects

Electrical arcs, battery safety.

- Charging aspects

Normal charging, quick charging, load feedback and harmonics problems, smart grid integration concepts.

Prerequisites:

According to the prerequisites for degree programme access

Lecture/Seminar profile:**Project (ENI513)**

Degree course	ENI.ma
Course title	Project
Course code	ENI513
Level	Master
Term	SS22
Lecturer	
Contact hours per week	3
ECTS credits	1,5
Course type	Project
Examinations	oral or written examination
Language of instruction	English
Places for international students	12

Learning objectives:

n.a.

Content:

Independent project work that should be assigned to one of courses of the then current semester or in addition to the master theses project to the master theses itself. Team projects (team size: 2-4 persons) are possible. A coach/advisor is assigned to the projects. Immanent project goal is the extraction of a suitable Master's thesis topic.

Prerequisites:

According to the prerequisites for degree programme access

Lecture/Seminar profile:**Artificial Intelligence (IM500)**

Degree course	IM.ma
Course title	Artificial Intelligence
Course code	IM500
Level	Master
Term	SS22
Lecturer	Erik Pitzer, Stephan Dreiseitl
Contact hours per week	3
ECTS credits	4,5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

This course will provide an understanding of the fundamental concepts underlying modern intelligent systems. Topics covered will include intelligent agent design, informed and uninformed search algorithms, methods for solving constraint satisfaction problems, searching in game situations, planning algorithms, knowledge representation and inference using logic and probability theory, and Bayesian networks and Markov chains.

Prerequisites:

n.a.

Lecture/Seminar profile:**Networked/Distributed Systems (IM510)**

Degree course	IM.ma
Course title	Networked/Distributed Systems
Course code	IM510
Level	Master
Term	SS22
Lecturer	Volker Christian
Contact hours per week	3
ECTS credits	4,5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Tasks, Threads, Thread-Synchronization, Interprocess-Communication, Signals, Pipes, FIFO, Message-Queues, Shared-Memory, OSI-Model, ICMP, TCP, UDP, Sockets, Server-Client Architectures, Multiplexed-IO, Asynchronous-IO, SUN-RPC, SUN-RMI, Object Serialization.

Prerequisites:

n.a.

Lecture/Seminar profile:**Computer Vision (IM520)**

Degree course	IM.ma
Course title	Computer Vision
Course code	IM520
Level	Master
Term	SS22
Lecturer	David Christian Schedl
Contact hours per week	4
ECTS credits	6
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Introduction to fundamental techniques in computer vision. Localization and classification of 2D objects, shape descriptions, image matching, color and texture analysis, segmentation, invariant features, curve fitting, motion detection, optical flow, feature detection and tracking, 3D geometry, camera calibration, scene and object reconstruction, self-localization, object recognition. Analysis and implementation of standard methods.

Prerequisites:

n.a.

Lecture/Seminar profile:**Rich Internet Applications (IM530)**

Degree course	IM.ma
Course title	Rich Internet Applications
Course code	IM530
Level	Master
Term	SS22
Lecturer	Rimbert Rudisch-Sommer
Contact hours per week	4
ECTS credits	6
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

WebApps & REST-APIs with (RAD-)frameworks like Ruby on Rails, Spring Boot Reactive WebApps with Scala & Play Framework.

Prerequisites:

n.a.

Lecture/Seminar profile:**Hypermedia User Experience Engineering (IM531)**

Degree course	IM.ma
Course title	Hypermedia User Experience Engineering
Course code	IM531
Level	Master
Term	SS22
Lecturer	
Contact hours per week	4
ECTS credits	6
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Frontend Technology for Hypermedia Applications / Web Services. Responsive Uis. Mobile Applications (iOS). JavaScript Frameworks for Desktop and Cross-plattform Applications. Multi-Device User Experience.

Prerequisites:

n.a.

Lecture/Seminar profile:

Game Production (IM540) – not sure if held in May / June

Degree course	IM.ma
Course title	Game Production
Course code	IM540
Level	Master
Term	SS22
Lecturer	Roman Divotkey
Contact hours per week	4
ECTS credits	6
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Game production workflow, asset integration, implementation of game-AI and 3D-physics simulation, special considerations for network games, sound and sound-effects in games, integration of mid-dleware APIs, scripting and data driven game development, software project management, software testing.

Prerequisites:

n.a.

Lecture/Seminar profile:**Intercultural Online Collaboration (KWM510)**

Degree course	KWM.ma
Course title	Intercultural Online Collaboration
Course code	KWM510
Level	Master
Term	SS22
Lecturer	Martina Gaisch
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	continuous assessment
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

This module elaborates on intercultural theories that are predominant on a macro-level and discusses possible implications and cross-border interactions between individuals of different societal backgrounds. It is further discussed how globalization and internationalization endeavors encourage intercultural cooperation and what prerequisites are required for virtual teamwork across nations. Several hands-on examples are provided and critical intercultural incidents can be experienced, discussed and reflected upon throughout cross-border cooperation.

Prerequisites:

n.a.

Lecture/Seminar profile:

Leadership (KWM531)

Degree course	KWM.ma
Course title	Leadership
Course code	KWM531
Level	Master
Term	SS22
Lecturer	Carrie Kovacs
Contact hours per week	1,5
ECTS credits	2,5
Course type	Integrated course
Examinations	continuous assessment
Language of instruction	English
Places for international students	2

Learning objectives:

n.a.

Content:

Course Aims:

The course aims to provide an overview of major leadership theories, including basic assumptions, empirical evidence and practical applications of these theories. Students will practice applying theories to real-life examples (e.g., personal experiences, case studies...) in order to gain a deeper understanding of the leadership process and to reflect on the interaction between theory, empirical research, and practice.

Content:

The course will present the following topics broadly, with students covering individual topics in more depth:

- Defining & Describing Leadership
- Trait Approach / Skills Approach
- Behavioral Approach
- Situational Approach / Path-Goal Theory
- Leader-Member Exchange (LMX)
- Gender & Leadership
- Leadership Ethics
- Servant Leadership / Followership

Teaching Methods:

Online meetings consisting of teacher and student presentations, discussions and interactive

exercises. Students take an active part in structuring individual classes.

Assignments/Grading:

- Class participation, including preparing discussion questions and taking part in discussions (40%)
- Helping plan & lead a class on one topic (30%)
- Summarizing & presenting an empirical leadership study (30%)

Literature:

Northouse, P. G. (2018). Leadership: Theory and practice (8th ed.). Sage.
as well as selected empirical articles

Prerequisites:

n.a.

Lecture/Seminar profile:**Artificial Intelligence (3_MC501)**

Degree course	MC.ma
Course title	Artificial Intelligence
Course code	3_MC501
Level	Master
Term	SS22
Lecturer	Stephan Dreiseitl, Erik Pitzer
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

This course will provide an understanding of the fundamental concepts underlying modern intelligent systems. Topics covered will include intelligent agent design, informed and uninformed search algorithms, methods for solving constraint satisfaction problems, searching in game situations, planning algorithms, knowledge representation and inference using logic and probability theory, and Bayesian networks and Markov chains.

Prerequisites:

n.a.

Lecture/Seminar profile:

Cross-Platform Development of Mobile Applications (3_MC507)

Degree course	MC.ma
Course title	Cross-Platform Development of Mobile Applications
Course code	3_MC507
Level	Master
Term	SS22
Lecturer	Matthias Steinbauer
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

This course focuses on technical aspects (architecture, design, patterns in cross development frameworks) as well as the applicability of such frameworks in an industrial context (usability, look-and-feel, deployment) and gives an overview about commonly used crossplatform frameworks, including:

- Native cross-platform frameworks: Rhodes and RhoSync, PhoneGap, Titanium Mobile, QuickConnectFamily, Bedrock, Corona, MoSync SDK, Qt Mobility, Adobe Flash Lite, Adobe AIR, Unity, ...
- HTML/HTML5/CSS/Javascript frameworks: Sencha Touch, JQTouch, iWebKit, iUI, xUI, Magic Framework, Dashcode, CiUI, Safire, iphone-universal (UiUIKit), WebApp.Net, The Dojo Toolkit, Jo, ...

Prerequisites:

n.a.

Lecture/Seminar profile:

Blockchains (3_MC522)

Degree course	MC.ma
Course title	Blockchains
Course code	3_MC522
Level	Master
Term	SS22
Lecturer	Erik Sonnleitner
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:

Usability (3_MC530)

Degree course	MC.ma
Course title	Usability
Course code	3_MC530
Level	Master
Term	SS22
Lecturer	Clemens Holzmann
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

Introduction to (Mobile) HCI and Usability, History and Future Technologies of HCI (e.g. Eye Tracking, BCI and Gestures), Tools and Methods for the Design of Interactive Systems (e.g. Brainstorming, Storyboards and Wizard of Oz), Iterative Design Process and Prototyping Techniques (e.g. Paper Prototyping), Requirements Analysis (e.g. Diary Studies and Video Observation), HCI Principles and Models (e.g. Eight Golden Rules, Fitts' Law, Hick's Law and KLM), Human Perception (e.g. Visual Perception and Hearing) and Cognitive Abilities of Humans, Taxonomy and Survey of I/O Technologies (e.g. 2D/3D Input Devices, Force Feedback, Display and Projector Technologies and 3D Displays, Multimodal Input), Evaluation of User Interfaces and Statistical Tests (e.g. t-Test and ANOVA), Mobile HCI (e.g. Input Techniques and Technologies, Text Input Metrics, Speech and Gesture Recognition, OCR, Visual Markers, Haptic I/O and Pen-Based Computing), Tangible User Interfaces.

Prerequisites:

n.a.

Lecture/Seminar profile:

Drive Concepts (3_MC531)

Degree course	MC.ma
Course title	Drive Concepts
Course code	3_MC531
Level	Master
Term	SS22
Lecturer	Johann Prenninger
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:

Data Mining and Machine Learning (15_DML2ILV)

Degree course	SE.ma
Course title	Data Mining and Machine Learning
Course code	15_DML2ILV
Level	Master
Term	SS22
Lecturer	Michael Affenzeller
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

Overview of characteristic data mining problems, categorization of problems, complexity of hypothesis spaces, overfitting, underfitting, use of training validation and test data, cross-validation Find-S and Candidate Elimination algorithms, Decision Trees, Case-based Learning, Rule-Based learning, ensemble techniques.

Genetic Programming, symbolic regression, symbolic classification.

Exercise part: Use of the different machine learning algorithms on the basis of data sets from practice as well as benchmark data sets; training in the use of the Data Mining functionalities of HeuristicLab.

Prerequisites:

Entsprechend den Zugangsvoraussetzungen des Studiengangs

Lecture/Seminar profile:**Artificial Intelligence (15_KI2ILV)**

Degree course	SE.ma
Course title	Artificial Intelligence
Course code	15_KI2ILV
Level	Master
Term	SS22
Lecturer	
Contact hours per week	3
ECTS credits	5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	German/English
Places for international students	2

Learning objectives:

n.a.

Content:

Structure of intelligent systems, search algorithms, heuristics, constraint satisfaction problems, propositional logic and predicate logic as languages of knowledge representation and inference, planning algorithms, knowledge representation and inference in stochastic systems using Bayesian networks and Markov chains, optimal action selection in deterministic and stochastic environments through reinforcement learning.

Prerequisites:

Entsprechend den Zugangsvoraussetzungen des Studiengangs

Lecture/Seminar profile:**Cross Cultural Business Communication (CCC2ILV)**

Degree course	ISM.ma
Course title	Cross Cultural Business Communication
Course code	CCC2ILV
Level	Master
Term	SS22
Lecturer	Martina Gaisch
Contact hours per week	1,5
ECTS credits	3
Course type	Integrated course
Examinations	written examination
Language of instruction	German/English
Places for international students	4

Learning objectives:

n.a.

Content:

Theories and core concepts of intercultural communication processes, intercultural negotiation with accompanying reflection, Examples and experiences from practical application areas, exercises for the further development of generic key competences. Intercultural negotiation and dialogue skills are practised and analysed on the basis of several case studies.

Prerequisites: n.a.

COURSE SYLLABUS

Course code:

Course title: Presentation & Moderation Skills

Semester: Summer Semester 2022

ECTS: 2

Learning Goals:

The design of this course enables participants to practice their presentation skills in different business concepts and be able to deliver effective speeches. Cross-cultural differences and adequate presentation techniques to various audience will be exercised throughout the course.

The course is conducted in three sessions, each focusing on different aspects of presentation skills improvement. The sessions complement each other in a way to provide the holistic approach and cover all different presentation techniques. Online presentations have become an essential tool after the Covid-19 Pandemic and the new business era requires online presentation skills. This course also gives insights to prepare and present effectively online. The attention catchers, distraction avoidance techniques are discussed throughout the course by combining different disciplines, psychology, sociology, and management approaches. The perfect presentation can only be achieved by giving the adequate information to the audience; thus, preparation techniques in advance to a presentation are also introduced in the course. Students develop the capability to reflect the application of concepts in practice through in-class exercises and group works.

Learning Content:

Presentation & Moderation Skills as area of expertise: Presentation skills, Core approaches, Cross cultural differences and related literature review, Presenting Creative Ideas and Products, Teambuilding and Teamwork, Choosing the appropriate technical tools

Presentation & Moderation Skills in the practice: Elevator Pitch-Training and Practicing, Sales Pitch

Presentation & Moderation Skills Challenges: Formulating Presentation in Multicultural Environments, Intercultural Communication, Intercultural Negotiation, Delivering Business Presentation to different audience segments

Overview: Effective presentation skills in business environments

Course structure:

The course consists of two elements;

Preparation: Required preparations prior to a presentation will be introduced by the lecturer

Course Conduction: The attendance of the participants to all appointments is required. During the course, interactive activities and different presentations will be conducted. The students will form teams to work on their Presentations. In the last round sales pitch and ad-hoc presentation techniques will be exercised.

Distance-Learning-Elements

Videos and podcasts about Business Presentations and latest trends
Relevant online platforms and tools

Class Schedule

Date	Start	End	Room
12.05.2022	13:00	17:05	Tba
19.05.2022	08:50	17:05	Tba
25.05.2022	08:50	17:05	Tba