UNIVERSITY OF APPLIED SCIENCES UPPER AUSTRIA

Course Offer

for Incoming Exchange Students

School of Medical Engineering and Applied Social Sciences

fh-ooe.at/en/linz-campus

General Information

Choosing Courses

We recommend exchange students to choose courses only from **one** semester (# 2)
Of course, exchange students who speak German fluently may also participate in courses taught in German at Linz Campus – please contact the International Office for more information if you are interested in studying in German.

A full workload for regular students is 30 ECTS per semester. Due to timetable overlaps this is mostly not possible for exchange students. Incoming students are therefore expected to attend courses worth 20 ECTS.

Academic Calendar

Winter semester: October 1st to mid- February (Semesters 1, 3)
Summer semester: March 1st to mid- July (Semesters 2, 4)

Examination Period: End of January to mid- February (winter semester)
End of June to mid- July (summer semester)

Breaks: Christmas (2 weeks); February (1 to 4 weeks); Easter (1 week); summer holidays in July/August/September (12 weeks).

Types of Classes

Lectures (VO, ILV)
While some subjects are presented as "traditional" lectures or lectures with practical elements, others are taught in the form of seminars, laboratory and practical classes. In many cases, both lecture and practical class are combined in the same semester.

Seminars, Laboratory and Practical Classes (SE, LB, UE)
These are classes in which students work on special topics, then present and discuss them within a relatively small group. In laboratory and practical classes students learn to apply their knowledge acquired in lectures and seminars.

Block Courses
In some cases – primarily in the case of seminars and laboratory classes – instruction does not take place weekly, but is instead delivered in blocks of more intensive instruction (e.g., one block every two weeks or even one block per term).

Excursions
Some courses occasionally include excursions, and attendance is generally obligatory. Any costs that arise for entrance fees, accommodation or other expenses are paid by the students.

Project Work (PT)
These are not theoretical projects but "real" work – with all the responsibilities that go along with it and have therefore proven popular with our exchange students in recent semesters.
Students work on problems relevant to the particular company. They work in teams of 4-10 students and are supervised and guided by a faculty member. Most of the time the teams work on their own and at the end of the semester present their results to both their supervising faculty member and the company.
The main aim of these projects is to train the students in teamwork. Teamwork and team spirit are key elements of Linz Campus philosophy – students learn to work together rather than competing with one another.

Attendance Policy:
Please note, that there is a compulsory attendance in all types of classes except the lectures marked with "VO". You will find this information within the "Course unit code". Compulsory attendance means that you have to be present in 100 % of the classes. Absence is only permitted in case of illness or other justifiable reason about which you have to inform the lecturer asap. In any case, at least 80 % of the classes have to be attended. Otherwise you will not be able to finish the course.

Master's Degree Program in Medical Engineering

Programme (department)	Course unit code	Course unit title	Course type	Semester (level)	Level	ECTS	Page
Medical Engineering (Master, Linz Campus)							
MME.ma	AIN2IL	Artificial Intelligence	Integrated course	2	Master	2,5	2
MME.ma	AMI2IL	Advanced Medical Imaging and Diagnosis Systems II	Integrated course	2	Master	1,25	3
MME.ma	APR2UE	Applied Programming II	Practice-oriented session	2	Master	2,5	4
MME.ma	BIM2IL	Bionic Implants II	Integrated course	2	Master	1,5	5
MME.ma	CTS2VO	Clinical Treatment Systems	Lecture	2	Master	3,5	6
MME.ma	GER2IL	German Language II A1.2.	Integrated course	2	Master	3	7
MME.ma	LAB2LB	Biomechanical Laboratory	Laboratory session	2	Master	1,25	8
~~MME.ma~~	~~MAS4PR~~	~~Master Examination~~	~~Final Exam~~	~~4~~	~~Master~~	~~2~~	~~9~~
~~MME.ma~~	~~MAS4PT~~	~~Master Thesis~~	~~Master's thesis~~	~~4~~	~~Master~~	~~28~~	~~10~~
MME.ma	MAT2IL	Applied Mathematics II	Integrated course	2	Master	2,5	11
MME.ma	MED2VO	Selected Topics in Medicine for Medical Engineers II	Lecture	2	Master	1	12
MME.ma	MOT2IL	Molecular Test Systems	Integrated course	2	Master	1,25	13
MME.ma	NUM2IL	Numerical Methods in Biomechanics	Integrated course	2	Master	2,5	14
MME.ma	PSS2IL	Power Supply Systems	Integrated course	2	Master	1,25	15
MME.ma	SFT2IL	Surface Technology	Integrated course	2	Master	2	16
MME.ma	STA2IL	Applied Statistics	Integrated course	2	Master	2,5	17
MME.ma	TIM2IL	Technological Innovation in Medicine II	Integrated course	2	Master	1,5	18

Lecture/Seminar profile:

Artificial Intelligence (AIN2IL)

Degree course	MME.ma
Course title	Artificial Intelligence
Course code	AIN2IL
Level	Master
Term	SS25
Lecturer	Oliver Krauss
Contact hours per week	2
ECTS credits	2,5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Advanced Medical Imaging and Diagnosis Systems II (AMI2IL)

Degree course	MME.ma
Course title	Advanced Medical Imaging and Diagnosis Systems II
Course code	AMI2IL
Level	Master
Term	SS25
Lecturer	Andreas Springer, Raimund Kleiser
Contact hours per week	1
ECTS credits	1,25
Course type	Integrated course
Examinations	written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Applied Programming II (APR2UE)

Degree course	MME.ma
Course title	Applied Programming II
Course code	APR2UE
Level	Master
Term	SS25
Lecturer	Robert Merwa
Contact hours per week	2
ECTS credits	2,5
Course type	Practice-oriented session
Examinations	continuous assessment
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Bionic Implants II (BIM2IL)

Degree course	MME.ma
Course title	Bionic Implants II
Course code	BIM2IL
Level	Master
Term	SS25
Lecturer	Thomas Haslwanter
Contact hours per week	1
ECTS credits	1,5
Course type	Integrated course
Examinations	continuous assessment
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Clinical Treatment Systems (CTS2VO)

Degree course	MME.ma
Course title	Clinical Treatment Systems
Course code	CTS2VO
Level	Master
Term	SS25
Lecturer	Heinz Ringler
Contact hours per week	3
ECTS credits	3,5
Course type	Lecture
Examinations	written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

German Language II A1.2. (GER2IL)

Degree course	MME.ma
Course title	German Language II A1.2.
Course code	GER2IL
Level	Master
Term	SS25
Lecturer	Maria Rezner
Contact hours per week	2
ECTS credits	3
Course type	Integrated course
Examinations	continuous assessment
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Biomechanical Laboratory (LAB2LB)

Degree course	MME.ma
Course title	Biomechanical Laboratory
Course code	LAB2LB
Level	Master
Term	SS25
Lecturer	Andreas Schrempf
Contact hours per week	1
ECTS credits	1,25
Course type	Laboratory session
Examinations	continuous assessment
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Master Examination (MAS4PR)

Degree course	MME.ma
Course title	Master Examination
Course code	MAS4PR
Level	Master
Term	SS25
Lecturer	
Contact hours per week	1
ECTS credits	2
Course type	Final Exam
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

~~Master Thesis (MAS4PT)~~

~~Degree course~~	~~MME.ma~~
~~Course title~~	~~Master Thesis~~
~~Course code~~	~~MAS4PT~~
~~Level~~	~~Master~~
~~Term~~	~~SS25~~
~~Lecturer~~	
~~Contact hours per week~~	~~1~~
~~ECTS credits~~	~~28~~
~~Course type~~	~~Master's thesis~~
~~Examinations~~	~~written examination~~
~~Language of instruction~~	~~English~~
~~Places for international students~~	~~1~~

~~Learning objectives:~~
~~n.a.~~

~~Content:~~
~~n.a.~~

~~Prerequisites:~~
~~n.a.~~

Lecture/Seminar profile:

Applied Mathematics II (MAT2IL)

Degree course	MME.ma
Course title	Applied Mathematics II
Course code	MAT2IL
Level	Master
Term	SS25
Lecturer	Gerhard Höfer
Contact hours per week	2
ECTS credits	2,5
Course type	Integrated course
Examinations	written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Selected Topics in Medicine for Medical Engineers II (MED2VO)

Degree course	MME.ma
Course title	Selected Topics in Medicine for Medical Engineers II
Course code	MED2VO
Level	Master
Term	SS25
Lecturer	Anja Ruhdorfer
Contact hours per week	1
ECTS credits	1
Course type	Lecture
Examinations	oral examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Molecular Test Systems (MOT2IL)

Degree course	MME.ma
Course title	Molecular Test Systems
Course code	MOT2IL
Level	Master
Term	SS25
Lecturer	Birgit Plochberger, Mario Mairhofer, Christoph Romanin
Contact hours per week	1
ECTS credits	1,25
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Numerical Methods in Biomechanics (NUM2IL)

Degree course	MME.ma
Course title	Numerical Methods in Biomechanics
Course code	NUM2IL
Level	Master
Term	SS25
Lecturer	Andreas Schrempf
Contact hours per week	2
ECTS credits	2,5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Power Supply Systems (PSS2IL)

Degree course	MME.ma
Course title	Power Supply Systems
Course code	PSS2IL
Level	Master
Term	SS25
Lecturer	Armin Hochreiner
Contact hours per week	1
ECTS credits	1,25
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Surface Technology (SFT2IL)

Degree course	MME.ma
Course title	Surface Technology
Course code	SFT2IL
Level	Master
Term	SS25
Lecturer	Dmitry Sivun, Andreas Karner
Contact hours per week	1,5
ECTS credits	2
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Applied Statistics (STA2IL)

Degree course	MME.ma
Course title	Applied Statistics
Course code	STA2IL
Level	Master
Term	SS25
Lecturer	Thomas Haslwanter
Contact hours per week	2
ECTS credits	2,5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.

Lecture/Seminar profile:

Technological Innovation in Medicine II (TIM2IL)

Degree course	MME.ma
Course title	Technological Innovation in Medicine II
Course code	TIM2IL
Level	Master
Term	SS25
Lecturer	Thomas Kern, Bernhard Blank-Landeshammer, Stephan Winkler
Contact hours per week	1
ECTS credits	1,5
Course type	Integrated course
Examinations	oral or written examination
Language of instruction	English
Places for international students	1

Learning objectives:
n.a.

Content:
n.a.

Prerequisites:
n.a.