



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

Master's Degree Programme

Programme (department)	Course unit code	Course unit title	Course type	Semester (level)	Level	ECTS	Page
Medical Engineering (Master, Linz Campus)							
MME.ma	AMI1IL	Advanced Medical Imaging and Diagnosis Systems I	Integrated course	1	Master	5	3
MME.ma	AMT1IL	Advanced Materials	Integrated course	1	Master	5	4
MME.ma	APR1UE	Applied Programming I	Practice-oriented session	1	Master	2,5	5
MME.ma	BIM1IL	Bionic Implants I	Integrated course	1	Master	2,5	6
MME.ma	CLB1IL	Cellular Biophysics	Integrated course	1	Master	1	7
MME.ma	ECD1IL	Electronic Circuit Design	Integrated course	1	Master	2,5	8
MME.ma	EMB1IL	Embedded Systems I	Integrated course	1	Master	2,5	9
MME.ma	IPM3VO	International Product Management	Lecture	3	Master	2	10
MME.ma	IPT1IL	Introduction to Programming-Tools	Integrated course	1	Master	2,5	11
MME.ma	MAT1IL	Applied Mathematics I	Integrated course	1	Master	4	12
MME.ma	MED1VO	Selected Topics in Medicine for Medical Engineers I	Lecture	1	Master	1	13
MME.ma	MOC1IL	3D Motion Capture and Analysis	Integrated course	1	Master	2,5	14
MME.ma	MSI1IL	Musculoskeletal Systems Modeling and Simulation	Integrated course	1	Master	2,5	15
MME.ma	PRJ3PT	Project: Scientific or Professional	Project	3	Master	19	16
MME.ma	REG3IL	Regulatory Affairs	Integrated course	3	Master	2,5	17
MME.ma	RUE3IL	Requirements and Usability Engineering	Integrated course	3	Master	2,5	18
MME.ma	SLC1IL	Applied Software Life Cycle Processes	Integrated course	1	Master	2,5	19
MME.ma	SYS3VO	Applied Systems Engineering	Lecture	3	Master	4	20

Master's Degree Programme

Programme (department)	Course unit code	Course unit title	Course type	Semester (level)	Level	ECTS	Page
Medical Engineering (Master, Linz Campus)							
MME.ma	TIM1VO	Technological Innovation in Medicine I	Lecture	1	Master	2,5	21

Lecture/Seminar profile:

Advanced Medical Imaging and Diagnosis Systems I (AMI1IL)

Degree course	MME.ma
Course title	Advanced Medical Imaging and Diagnosis Systems I
Course code	AMI1IL
Level	Master
Term	WS26/27
Lecturer	Raimund Kleiser, Armin Hochreiner
Contact hours per week	
ECTS credits	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:

Advanced Materials (AMT1IL)

Degree course	MME.ma
Course title	Advanced Materials
Course code	AMT1IL
Level	Master
Term	WS26/27
Lecturer	Jaroslav Jacak
Contact hours per week	
ECTS credits	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:**Applied Programming I (APR1UE)**

Degree course	MME.ma
Course title	Applied Programming I
Course code	APR1UE
Level	Master
Term	WS26/27
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	2

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:

Bionic Implants I (BIM1IL)

Degree course	MME.ma
Course title	Bionic Implants I
Course code	BIM1IL
Level	Master
Term	WS26/27
Lecturer	Thomas Haslwanter
Contact hours per week	2
ECTS credits	2,5
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:

Cellular Biophysics (CLB1IL)

Degree course	MME.ma
Course title	Cellular Biophysics
Course code	CLB1IL
Level	Master
Term	WS26/27
Lecturer	Birgit Plochberger
Contact hours per week	1
ECTS credits	1
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:**Electronic Circuit Design (ECD1IL)**

Degree course	MME.ma
Course title	Electronic Circuit Design
Course code	ECD1IL
Level	Master
Term	WS26/27
Lecturer	Armin Hochreiner
Contact hours per week	
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:

Embedded Systems I (EMB1IL)

Degree course	MME.ma
Course title	Embedded Systems I
Course code	EMB1IL
Level	Master
Term	WS26/27
Lecturer	Hubert Egger
Contact hours per week	
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:**International Product Management (IPM3VO)**

Degree course	MME.ma
Course title	International Product Management
Course code	IPM3VO
Level	Master
Term	WS26/27
Lecturer	Krutarth Patel
Contact hours per week	2
ECTS credits	2
Course type	Lecture
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:**Introduction to Programming-Tools (IPT1IL)**

Degree course	MME.ma
Course title	Introduction to Programming-Tools
Course code	IPT1IL
Level	Master
Term	WS26/27
Lecturer	Thomas Haslwanter, Andreas Schrempf, Robert Merwa
Contact hours per week	2
ECTS credits	2,5
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:

Applied Mathematics I (MAT1IL)

Degree course	MME.ma
Course title	Applied Mathematics I
Course code	MAT1IL
Level	Master
Term	WS26/27
Lecturer	Gerhard Höfer
Contact hours per week	3
ECTS credits	4
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:

Selected Topics in Medicine for Medical Engineers I (MED1VO)

Degree course	MME.ma
Course title	Selected Topics in Medicine for Medical Engineers I
Course code	MED1VO
Level	Master
Term	WS26/27
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:

3D Motion Capture and Analysis (MOC1IL)

Degree course	MME.ma
Course title	3D Motion Capture and Analysis
Course code	MOC1IL
Level	Master
Term	WS26/27
Lecturer	Thomas Haslwanter
Contact hours per week	
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:**Musculoskeletal Systems Modeling and Simulation (MSI1IL)**

Degree course	MME.ma
Course title	Musculoskeletal Systems Modeling and Simulation
Course code	MSI1IL
Level	Master
Term	WS26/27
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:**Project: Scientific or Professional (PRJ3PT)**

Degree course	MME.ma
Course title	Project: Scientific or Professional
Course code	PRJ3PT
Level	Master
Term	WS26/27
Lecturer	
Contact hours per week	0,5
ECTS credits	19
Course type	Project
Examinations	written examination
Language of instruction	English
Places for international students	20

Learning objectives:

n.a.

Content:

n.a.

Prerequisites:

n.a.

Lecture/Seminar profile:**Regulatory Affairs (REG3IL)**

Degree course	MME.ma
Course title	Regulatory Affairs
Course code	REG3IL
Level	Master
Term	WS26/27
Lecturer	Wolfgang Ecker, Reinhard Berger, Elisabeth Mertl, Martin Renhardt, Michael Ring
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:

Requirements and Usability Engineering (RUE3IL)

Degree course	MME.ma
Course title	Requirements and Usability Engineering
Course code	RUE3IL
Level	Master
Term	WS26/27
Lecturer	Jay M. Kapellusch, Hunter Roux
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:**Applied Software Life Cycle Processes (SLC1IL)**

Degree course	MME.ma
Course title	Applied Software Life Cycle Processes
Course code	SLC1IL
Level	Master
Term	WS26/27
Lecturer	Andreas Böhler
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:**Applied Systems Engineering (SYS3VO)**

Degree course	MME.ma
Course title	Applied Systems Engineering
Course code	SYS3VO
Level	Master
Term	WS26/27
Lecturer	Hubert Egger
Contact hours per week	3
ECTS credits	4
Course type	Lecture
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 I (TIM1VO)**

Degree course	MME.ma
Course title	Technological Innovation in Medicine I
Course code	TIM1VO
Level	Master
Term	WS26/27
Lecturer	Kristian O'Connor
Contact hours per week	2
ECTS credits	2,5
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.