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	AIN2IL	Artificial Intelligence	Integrated course	2	Master	2,5	2
MME.ma	AMI2IL	Advanced Medical Imaging and Diagnosis Systems II	Integrated course	2	Master	2,5	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	EMB2IL	Embedded Systems II	Integrated course	2	Master	2,5	7
MME.ma	LAB2LB	Biomechanical Laboratory	Laboratory session	2	Master	2,5	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	NUM2IL	Numerical Methods in Biomechanics	Integrated course	2	Master	2,5	13
MME.ma	SFT2IL	Surface Technology	Integrated course	2	Master	2,5	14
MME.ma	STA2IL	Applied Statistics	Integrated course	2	Master	2,5	15
MME.ma	TIM2IL	Technological Innovation in Medicine II	Integrated course	2	Master	1,5	16

Lecture/Seminar profile:

Artificial Intelligence (AIN2IL)

Degree course	MME.ma
Course title	Artificial Intelligence
Course code	AIN2IL
Level	Master
Term	SS27
Lecturer	Samuel Dieter Zühlke
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	SS27
Lecturer	Armin Hochreiner
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:

Applied Programming II (APR2UE)

Degree course	MME.ma
Course title	Applied Programming II
Course code	APR2UE
Level	Master
Term	SS27
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	SS27
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	SS27
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:

Embedded Systems II (EMB2IL)

Degree course	MME.ma
Course title	Embedded Systems II
Course code	EMB2IL
Level	Master
Term	SS27
Lecturer	Peter Thorwartl
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:

Biomechanical Laboratory (LAB2LB)

Degree course	MME.ma
Course title	Biomechanical Laboratory
Course code	LAB2LB
Level	Master
Term	SS27
Lecturer	Andreas Schrempf
Contact hours per week	2
ECTS credits	2,5
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	SS27
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~~	~~SS27~~
~~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	SS27
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	SS27
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:

Numerical Methods in Biomechanics (NUM2IL)

Degree course	MME.ma
Course title	Numerical Methods in Biomechanics
Course code	NUM2IL
Level	Master
Term	SS27
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:

Surface Technology (SFT2IL)

Degree course	MME.ma
Course title	Surface Technology
Course code	SFT2IL
Level	Master
Term	SS27
Lecturer	Dmitry Sivun, Jaroslaw Jacak
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 Statistics (STA2IL)

Degree course	MME.ma
Course title	Applied Statistics
Course code	STA2IL
Level	Master
Term	SS27
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	SS27
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.