Course of Study Biomedical Engineering (Study Cohort w18)

Sample course plan T Master Biomedical Engineering (MEDMS)
Specialisation Artificial Organs and Regenerative Medicine

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Applied Statistics**			**Medical Imaging Systems**			**Medical Basics and Pathology (part 2)**			**Master Thesis**		
2	Applied Statistics	VL	2	Medical Imaging Systems	VL	4	Medical Basics and Pathology II	VL	2			
3	Applied Statistics	UE	1				Medical Basics and Pathology III	VL	2			
4	Applied Statistics	PBL	2									
5							**Study work**					
6												
7	**Regenerative Medicine**			**Practical Course Product Development, Materials and Production**								
8	Regenerative Medicine	SE	2	Practical Course Product Development, Materials and Production	PR	6						
9	Lecture Tissue Engineering - Regenerative Medicine	SE	2									
10												
11												
12												
13	**Microsystem Engineering**			**Medical Basics and Pathology (part 1)**								
14	Microsystem Engineering	VL	2	Medical Basics and Pathology I	VL	2						
15	Microsystem Engineering	PBL	2	**Case Studie and Clinical Internship**								
16				Clinical Internship	PR	1						
17				Casestudies Surgery and Internal Medicine	SE	5						
18												
19	**Finite Elements Methods**			**Bioprocess Engineering - Fundamentals**								
20	Finite Element Methods	VL	2	Bioprocess Engineering - Fundamentals	VL	2						
21	Finite Element Methods	HÜ	2	Bioprocess Engineering- Fundamentals	HÜ	2						
22				Bioprocess Engineering - Fundamental Practical Course	PR	2						
23												
24												
25	**Electronic Circuits for Medical Applications**			**Case Studies for Regenerative Medicine and Tissue Engineering**								
26	Electronic Circuits for Medical Applications	VL	2	Case Studies for Regenerative Medicine and Tissue Engineering	SE	3						
27												
28	Electronic Circuits for Medical Applications	UE	1									
29												
30	Electronic Circuits for Medical Applications	PR	1									
31												
32												

Business & Management (from catalogue) - 6LP

Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.