Semester			1				2				3		СР	Exam
Courses	L	S	E	P	L	S	Е	Р	L	S	Е	Р		
Chemistry/Biochemistry Medical Biology Anatomy/Physiology	2 2 2	-	1 - 1	1 2 1									5.0 5.0 5.0	GR GR GR
Ethics/Intellectual Property and Reg. Affairs	-	3	1	-									5.0	GR
Elective Mandatory Course	Z X	- X	2 X	- X									5.0 5.0	GR GR
Medical Imaging (Imaging Techniques) Control and Electrical Engineering					2 2	-	- 2	2 -					5.0 5.0	GR GR
Material Science and Processing					3	-	1	-					5.0	GR
Internship Elective Mandatory Course					x	x	х	x x					10.0 5.0	GR GR
Image Guided Therapy and Theranostics									2	-	1	1	5.0	GR
Image Processing and Handling Art. Organs: Heart, Lung, Kidney, Liver									2	-	2	-	5.0	GR
support Advanced Biomaterials (Hard Tissue									2	-	-	2	5.0	GR
Implants and Prostheses & 3 D										2		0	ΕO	
Cell Culture and Tissue Engineering									-	2	1	2	5.0 5.0	GR
Systems Biology									2	-	-	2	5.0	GR
<u>Elective Mandatory Course</u> Introduction to Mechanobiology*	2	-	-	2					2	-	-	2	5.0	GR
Medical Statistics*	2	-	2	-					2	-	2	-	5.0	GR
Bioinformatics*	2	1	- 1	-					2	1	- 1	-	5.0 5.0	GR
Experimental Medicine (Biom.					_	2	1	_					5.0	GR
Biomechanics and Mechanobiology for						2							0.0	
soft biological tissues Optophysiology					1 2	- 1	2 -	-					5.0 5.0	GR GR
Optional Courses														
Neuroscience Pr. C. in Immunohistochem, Neuroscience	-	1	_	1	-	1 1	-	- 1	_	1	_	1	2.0 3.0	P/NP P/NP
Applied Physiology in connection to		4											2.0	
Selected topics of inelasticity theory	-	-	2	-					- 2	2	- 2	-	2.0 5.0	GR
Biomedical Products and Process Design	2	-	2	-					2	-	2	-	4.0	GR
Introduction to Mechanobiology*	2	1	-	- 2					2	1	-	- 2	5.0 5.0	GR GR
Immunology and Microbiology*	2	-	-	1					2	-	-	1	5.0	GR
Bioinformatics*	2	1	1	-	1	_	2	_	2	-	1	-	5.0 5.0	GR
Selected topics in regard to Art. Organs					-	1	-	-					2.0	P/NP
Continuum Mechanics					2	-	1	-					5.0	GR
Porous Media Mechanics					2	-	2	-					5.0 2.0	
Experimental Medicine (Biom. Diagnostics)					_	2	-	-					2.0 5.0	GR
Biomechanics and Mechanobiology for					4								F.0	
Entrepreneurship					4	-	-	-					5.0 5.0	GR
Optophysiology					2	1	-	-					5.0	GR
Master Thesis (4th Semester) Master Thesis Master Thesis Colloquium													25.0 5.0	GR GR

\*Elective Mandatory courses as well as Optional courses may be taken in the 1st or 3rd semester, except for courses with prerequisites.

Key: L: Lecture, S: Seminar, E: Exercise P: Practical Course, P/NP: passed /not passed GR: graded