

Diagnostics and Drug Discovery

1st year

Course		ECTS	Period
Physiology and Biochemistry			1 st sem
	Physiology	5	
	Biochemistry	5	
Computational genomics and Gene Networks			
	Computational genomics and epigenomics	5	
	Interactions and Gene Networks	5	
In vivo diagnostics			2 nd sem
	In vivo diagnostics: PET/SPECT/CT	5	
	In vivo diagnostics: MRI/OI/US/PAI	6	
Drug Discovery: basic principles		5	
Data analysis		6	
Supramolecular chemistry and Spectroscopic methods			
	Supramolecular and Bioinorganic Chemistry	3	
	Spectroscopy of biomolecules	5	
Thesis I		5	
Stage I		6	

TOTAL ECTS	61	
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2nd year

Course		ECTS	Period
Advanced materials and methods for health sciences			1 st sem
	Mass Spectrometry	5	
	Nanomaterials	5	
Advanced Drug Discovery		5	
In vitro diagnostics: proteomics, interactomics and metabolomics		5	
Immuno-based assays for translational medicine		7	
Biotech Company Management		4	2 nd sem
Stage II		6	
Thesis II		14	
Freely chosen courses		8	

TOTAL ECTS	59	
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Freely chosen courses		ECTS	Period
Pathology		5	
Image Analysis for Biotechnologists			
Metals in Medicine		3	
Scientific Communication		4	