

M. Sc. Molecular Medicine: Study Plan

First year of study	ETCS		Second year of study	ETCS	
	30	30		30	30
- Obligatory modules -	WS	SS	- Obligatory modules -	WS	SS
MOLMED-O.1 Human Genetics (Baniahmad)	4 SWS	2 SWS			
MOLMED-O.2 Clinical Chemistry / Molecular Diagnostics (Kiehnkopf/Hoffmann)	3 SWS	3 SWS			
MOLMED-O.3 Medical Biometry (Leistriz/Schiecke)	4 SWS	-			
MOLMED-O.4 Molecular Pathology (Müller)	3 SWS	3 SWS	MOLMED-O.6 Current Topics of Molecular Pathology (Rubio)	4 SWS	-
MOLMED-O.5 Molecular Pharmacology (Stumm/Kliewer)	4 SWS	4 SWS	MOLMED-O.7 Current Topics of Molecular Pharmacology (Heller)	4 SWS	-
- Compulsory elective module - (Two specialization modules can be selected in any combination).			- Project modules -		
MOLMED-S.1 Molecular Intensive Care (Gräler/Claus)	-	3 SWS 8 SWS	MOLMED-PM.1 Project planning for master thesis (Supervisor)	4 SWS	-
MOLMED-S.2 Gynecology und Obstetrics (Morales-Prieto/Häfner)	3 SWS	8 SWS	MOLMED-PM.2 Introductory project for master thesis (Supervisor)	4 SWS	-
MOLMED-S.3 Stem Cell Research (Wartenberg)	3 SWS	8 SWS	MOLMED-PM.3 Master thesis (Supervisor)	-	10 SWS
MOLMED-S.4 Molecular Genetics (Baniahmad)	3 SWS	8 SWS			
MOLMED-S.5 Oncology (Scholl)	3 SWS	8 SWS			
MOLMED-S.6 Neurosciences (Schmeer/Keiner)	3 SWS	8 SWS			
MOLMED-S.7 Rheumatology/Nephrology/Endocrinology (Oelzner/Löffler)	3 SWS	8 SWS			
MOLMED-S.8 Transgenic Animal Models (Hübner)	2 SWS	9 SWS			
MOLMED-S.9 Medical Microbiology (Rödel/Ehrhardt)	3 SWS	8 SWS			
MOLMED-S.10 Medical Immunology (Drube/Dudziak)	3 SWS	8 SWS			
MOLMED-S.11	-	-			
MOLMED-S.12 Neuroepigenetics (Engmann)		3 SWS 8 SWS			
MOLMED-S.13 Experimental Surgery (Dahmen)	3 SWS	8 SWS			
MOLMED-S.14 Experimental Nephrology (Mrowka)	3 SWS	8 SWS			
MOLMED-S.15 Bioinformatics (König)	2 SWS	9 SWS			
MOLMED-S.16 Molecular Biological Approaches in Medical Research and Diagnostics (Müller)	3 SWS	8 SWS			
>Elective module MOLMED-S.17 Course for performing animal experiments (Bischoff)	2 SWS +20h S, 20h P		> not a scheduled course, registration via Dean of Studies Office		
MOLMED-S.18 Forensic Sciences (Mall/Peters)	-	3 SWS 8 SWS			
MOLMED-S.19 Quantitative Proteomics for Biomedical Research (Ori/Meier)	-	3 SWS 8 SWS			

WS: winter term
SS: summer term
SWS: lecture hours per week (1SWS=45min)
2-4 SWS = lectures/seminars
8-9 SWS = practical courses