

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 (6 ECTS) Human Genetics (Baniamad)	4 SWS	2 SWS			
MOLMED-O.2 (6 ECTS) Clinical Chemistry / Molecular Diagnostics (Kiehnkopf/Hoffmann)	3 SWS	3 SWS			
MOLMED-O.3 (4 ECTS) Medical Biometry (Leistriz/Schiecke)	4 SWS	-			
MOLMED-O.4 (8 ECTS) Molecular Pathology (Müller)	3 SWS	3 SWS	MOLMED-O.6 (8 ECTS) Current Topics of Molecular Pathology (Rubio)	4 SWS	-
MOLMED-O.5 (6 ECTS) Molecular Pharmacology (Kliewer)	4 SWS	4 SWS	MOLMED-O.7 (7 ECTS) 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 (15 ECTS) Molecular Intensive Care (Gräler/Claus)	-	3 SWS 10 SWS	MOLMED-PM.1 (8 ECTS) Project Planning for Master's thesis (Supervisor)	4 SWS	-
MOLMED-S.2 (15 ECTS) Gynecology and Obstetrics (Morales-Prieto/Häfner)	3 SWS	10 SWS	MOLMED-PM.2 (7 ECTS) Introductory Project for Master's thesis (Supervisor)	4 SWS	-
MOLMED-S.3 (15 ECTS) Stem Cell Research (Wartenberg)	3 SWS	11 SWS	MOLMED-PM.3 (30 ECTS) Master's thesis (Supervisor)	-	10 SWS
MOLMED-S.4 (15 ECTS) Molecular Genetics (Baniamad)	3 SWS	8 SWS			
MOLMED-S.5 (15 ECTS) Oncology (Scholl)	3 SWS	10 SWS			
MOLMED-S.6 (15 ECTS) Neurosciences (Schmeer/Keiner)	3 SWS 8 SWS	-			
MOLMED-S.7 (15 ECTS) Rheumatology/Nephrology/Endocrinology (Löffler)	3 SWS	10 SWS			
MOLMED-S.8 (15 ECTS) Genetic Models to Study Hereditary Disorders (Hübner)	2 SWS	9 SWS			
MOLMED-S.9 (15 ECTS) Medical Microbiology (Rödel/Ehrhardt)	3 SWS	8 SWS			
MOLMED-S.10 (15 ECTS) Medical Immunology (Dudziak/Drube)	3 SWS 8 SWS	-			
MOLMED-S.11	-	-			
MOLMED-S.12 (15 ECTS) Neuroepigenetics (Engmann)		3 SWS 8 SWS			
MOLMED-S.13 (15 ECTS) Experimental Surgery (Dahmen)	3 SWS	8 SWS			
MOLMED-S.14 (15 ECTS) Experimental Nephrology (Mrowka)	3 SWS	10 SWS			
MOLMED-S.15 (15 ECTS) Bioinformatics (König)	3 SWS	14 SWS			
MOLMED-S.16 (15 ECTS) 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 (15 ECTS) Forensic Sciences (Mall/Peters)	-	3 SWS 12 SWS			
MOLMED-S.19 (15 ECTS) Quantitative Proteomics for Biomedical Research (Meier-Rosar)	-	3 SWS 8 SWS			

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