M. Sc. Molecular Medicine: Study Plan

First year of study	ETCS 30 WS	ETCS 30 SS	Second year of study	ETCS 30 WS	ETCS 30 SS
- Obligatory modules -	**WS**	**SS**	***- Obligatory modules -***	**WS**	**SS**
MOLMED-O.1 *(6 ECTS)* Human Genetics (Baniahmad)	4 SWS	2 SWS			
MOLMED-O.2 *(6 ECTS)* Clinical Chemistry / Molecular Diagnostics (Kiehntopf/Hoffmann)	3 SWS	3 SWS			
MOLMED-O.3 *(4 ECTS)* Medical Biometry (Leistritz/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 (Baniahmad)	3 SWS	8 SWS			
MOLMED-S.5 *(15 ECTS)* Oncology (Rinke)	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