

**Appendix 2 to the Academic Regulations and Procedures for the
Molecular Life Science Master Program
of the University of Lübeck**

The following table describes the recommended course of studies.

Blue: Compulsory-, Orange: Optional-Modules

Semester									ECTS / WWH	
1.	LS4010-KP06 Basics of Cell- and Molecular Biology for Virology		LS4026-KP06 Bioanalytics A				LS4030-KP06 Molecular Pathomechanisms and Strategies for Therapy			
ECTS	6		6				6			
L/T/P/S	4 / 0 / 0 / 0		4 / 0 / 0 / 0				4 / 0 / 0 / 0			
	LS4040-KP04 Basic Virology and Biosafety		MZ5111-KP06 Immunology	MZ5116-KP06 Molecular Neuro- sciences	MZ5117-KP06 Frontiers in Metabolic Medicine Research	LS4027-KP06 Bioanalytics B	MA3400- KP04 Biomathe- matics	CS4440-KP04 Molecular Bioinforma- tics	EW4170-KP04 Systems Biology	
			Choose 1 modul of 4				Choose 1 modul of 3			
ECTS	4		6				4			32
L/T/P/S	2 / 0 / 1 / 0		2 / 0 / 0 / 2				2 / 1 / 0 / 0		2 / 2 / 0 / 0	23
2.	LS4110-KP06 Drug Research		MZ4121-KP06 Biology of Infections	MZ4126-KP06 Clinical Neurobiology	MZ 4128-KP06 Clinical Immunology: Autoimmunity		ME5050-KP05 Biophysics of Ionizing Radiation and Radiation Safety		ME5055-KP05 Animal Models and Animal Safety	
			Choose 1 modul of 3				Choose 1 modul of 2			
ECTS	6		6				5			
L/T/P/S	4 / 0 / 0 / 0		2 / 0 / 0 / 2				2 / 0 / 2 / 0		2 / 0 / 2 / 1	
	LS4101-KP09 Molecular Biomedicine		MZ4130-KP09 Clinical Immunology: Model Systems		LS4137-KP09 Bioanalytics C		LS4131-KP04 Basics of Membrane Biophysics		LS4135-KP04 Protein Biophysics	
			Choose 1 modul of 3				Choose 1 modul of 2			
ECTS			9				4			30
L/T/P/S	6 / 0 / 0 / 0		4 / 0 / 0 / 2				2 / 1 / 0 / 0			21
3.	LS5111-KP16 Internship MLS (Practical Courses)						LS5200-KP06 Consolidation in MLS			
ECTS	16						6			
L/T/P/S	0 / 0 / 24 / 0						0 / 0 / 0 / 4			
	LS5990-KP30 Master Thesis MLS									
ECTS	6									28
L/T/P/S										28
4.	LS5990-KP30 Master Thesis MLS						PS4610-KP06 Ethics in Sciences / Scientific Writing			
ECTS	24						6			30
L/T/P/S							2 / 0 / 0 / 3			4
1. – 4.									ECTS WWH	120 >76

L= lecture; T= tutorial; P= practical course; S= seminar; ECTS: credit point of the European transfer system; WWH = weekly work hours; Blue: Required course, Orange: Several options