

Language Requirements for Biology Master Courses at KIT					
<i>at least B1 level in English or German is required</i>					
Module Code	Botany	CP	Tought in English	Tought in English upon request	Tought in German, only
F2-Modules					
M1201	Plant Cell Biology	8	x		
M1202	Plant Evolution – Methods and Concepts	8	x		
M1203	Kryptogamen	8			x
M1204	Saatgut	8			x
M1205	Photorezeptoren bei Pflanzen und Mikroorganismen (Photoreceptors in Plants and Mikroorganismen)	8		x	
M1206	Phytohormones	8		x	
M1207	Protein Crystallization	8		x	
M2201	Plant Gene Technology – Methods and Concepts	8		x	
M2202	Protein Biochemistry	8			x
M2203	Angewandte Pflanzengenetik (Applied Plant Genetics)	8		x	
M2207	Molecular and Cell Biology of Mycorrhiza	8	x		
M2208	Molecular Plant-Microbe Interactions	8	x		
F3-Modules					
M1301	Plant Cell Biology	7		x	
M1302	Plant Evolution – Methods and Concepts	7		x	
M1303	Kryptogamen	7		x	
M1304	Saatgut	7			x
M1305	Photorezeptoren bei Pflanzen und Mikroorganismen (Photoreceptors in Plants and Mikroorganismen)	7		x	
M1306	Phytohormones	7		x	
M1307	Molekularbiologie bakterieller und pflanzlicher Photorezeptoren (Molecular Biology of Photoreceptors in Bacteria and Plants)	7		x	
M1308	Mikrobielle Photorezeptoren (Microbial Photoreceptors)	7		x	
M1309	Proteinbiochemische Photorezeptor-Analysen (Protein Biochemistry of Photoreceptors)	7		x	
M1310	Bioinformatik	7		x	
M2302	Protein Biochemistry	7		x	
M2303	Angewandte Pflanzengenetik (Applied Plant Genetics)	7		x	
M2307	Molecular and Cell Biology of Mycorrhiza	7	x		
M2308	Molecular Plant-Microbe Interactions	7	x		

	Genetics				
	F2 Modules				
M3203	Strahlenbiologie (Radiation Biology)	8			x
M3204	Signaltransduktion und Genregulation I (Signal Transduction and Gene Regulation I)	8	x		
M3205	Signaltransduktion und Genregulation II (Signal Transduction and Gene Regulation II)	8	x		
	F3 Modules				
M3309	Signal transduction in eukaryotic systems (Praktikum)	7	x		
M3310	Transcriptional control in higher eukaryotes	7	x		
M3311	Molecular Methods in higher eukaryotes	7	x		
	Mikrobiology				
	F2 Modules				
M4201	Genetik niederer Eukaryoten (Genetics of lower Eucaryotes)	8		x	
M4202	Zelluläre Mikrobiologie (Cellular Microbiology)	8		x	
M4203	Grampositive Bakterien (Gram-Positive Bacteria)	8		x	
M4204	Lebensmittelmykologie (Food Mycology)	8		x	
M4205	Extrachromosomale Vererbung (Extrachromosomal Inheritance)	8			x
M4206	Mikrobiologie der Eukaryoten (Eucaryote Microbiology)	8		x	
M4207	Mikrobielle Diversität (Microbial Diversity)	8		x	
M4208	Bakterien im Biofilm (Bacteria in Biofilms)	8		x	
	F3 Modules				
M4302	Zelluläre Mikrobiologie (Cellular Microbiology)	7		x	
M4303	Grampositive Bakterien (Gram-Positive Bacteria)	7		x	
M4304	Lebensmittelmykologie (Food Mycology)	7			x
M4306	Mikrobiologie der Eukaryoten (Eucaryote Microbiology)	7		x	
M4308	Bakterien im Biofilm (Bacteria in Biofilms)	7		x	

Zoology					
F2-Modules					
M5201	Parasitologie (Parasitology)	8		x	
M5202	Gewässerökologie (Aquatic Ecology)	8	x		
M5204	Anatomie der Wirbeltiere (Vertebrate Anatomy)	8		x	
M5205	Animal Ecology	8	x		
M5206	Mikroskopische Techniken (Light Microscopy)	8		x	
M5207	Neuroentwicklungsbiologie/ Developmental Neurobiology	8		x	
M5208	Zellbiologie (Cell Biology)	8		x	
M6201	Molekulare Zellbiologie (Molecular Cell Biology)	8		x	
M6202	Methoden der Entwicklungsbiologie (Methods in Developmental Biology)	8		x	
M6203	Spezielle Entwicklungsbiologie (Specialized Developmenta Biology)	8		x	
M6204	Zelladhäsion und Signaltransduktion (Cell Adhesion and Signal Transduction)	8		x	
F3-Modules					
M5301	Parasitologie (Parasitology)	7		x	
M5302	Gewässerökologie (Aquatic Ecology)	7	x		
M5304	Funktionsmorphologie der Wirbeltiere (Functional Morphology of Vertebrates)	7		x	
M5305	Animal Ecology	7	x		
M5306	Advanced Light Microscopy	7		x	
M5307	Molekulare Neuroentwicklungsbiologie (Molecular Developmental Neurobiology)	7		x	
M5308	Zellbiologie (Cell Biology)	7		x	
M5309	AFM (Atomic Force Microscopy) in der Zellbiologie	7		x	
M5310	Molekulare Neurogenetik am Mausmodell (Molecular Neurogenetics in the Mouse Model System)	7		x	
M6301	Molekulare Zellbiologie (Molecular Cell Biology)	7		x	
M6302	Methoden der Entwicklungsbiologie (Methods in Developemental Biology)	7		x	

Biochemistry					
F2 Modules					
M7201	Genetik und Proteinchemie (Genetics and Protein Chemistry)	8			
M7202	Proteinisolierung und Kinetik (Protein Isolation and Kinetics)	8			
F3 Modules					
M7301	Struktur und Funktion von Peptiden (Structure and Function of Peptides)	7			
M7302	NMR-Führerschein (Introduction into NMR)	7			
Seminars					
M1401	Botanisches Seminar 1 - Zell- und Entwicklungsbiologie Botanical Seminar 1 - Cell and Developmental Biology	3		x	
M2402	Botanisches Seminar 2 - Rekombination und Reparatur Seminar 2 - Recombination and Repair	3		x	
M1402	Botanisches Seminar 3 - Photorezeptoren Botanical Seminar 3 - Photoreceptors	3		x	
M2403	Botanisches Seminar 4 - Molekularbiologie und Biochemie Botanical Seminar 4 - Molecular Biology and Biochemistry	3		x	
M1404	Seminar: Wissenschaftstheorie und Ethik	3			x
M5401	Seminar: Ökologie und Parasitologie Seminar: Ecology and Parasitology	3	x		
M5404	Seminar: Current Topics in Cellular Neurobiology	3	x		
M5406	Seminar: Urban Ecology	3	x		
M6401	Seminar: Entwicklungsbiologie Seminar Developmental Biology			x	
M3403	Seminar: Endocrinology and Tumor Biology	3	x		
M4403	Seminar: Schlüsseltechnologien der Molekularbiologie Seminar: Key Technologies in Molecular Biology	3		x	
M3402	Seminar: Current Topics in Molecular Genetics	3	x		
M4401	Mikrobiologisches Seminar 1 - Microbiological Seminar 1	3		x	
M4402	Mikrobiologisches Seminar 2 - Microbiological Seminar 2	3		x	
	Biochemisches Seminar 1 - Biochemical Seminar 1	3		x	
	Biochemisches Seminar 2 - Biochemical Seminar 2	3		x	
	Seminar: Molekulare und genetische Toxikologie Seminar: Molecular and Genetic Toxicology	3	x		
	Semina: Aktuelle Themen der Signaltransduktion Seminar: Current Topics in Signal Transduction	3	x		
	Seminar: Aktuelle Themen der molekularen Mykologie Seminar: Current Topics in Molecular Mycology	3		x	
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