



Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Biology as Unterrichtsfach with the degree "Erste Staatsprüfung für das Lehramt an Realschulen"

Responsible: Faculty of Biology

Examination regulations version: 2009

Course types: E = field trip, K = colloquium, O = conversatorium, P = placement/lab course, R = project, S = seminar, T = tutorial, Ü = exercise, V = lecture
Term: SS = summer semester, WS = winter semester
Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed
Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = list of modules
Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)
Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre- ditable for bonus.
Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me- thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.
Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.
Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with the general regulations governing the degree subject described in this module catalogue:

LASPO2009

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

07-Aug-2012 (2012-88)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	Module title										
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be spe	ecified in the form X	(y) with course type X	abbreviated as specified abov	ve and number of we	ekly contact hours y			
	Method of as	ssessme	ent								
	Only after su completion of		Il if applica	ble							
	Other prereq	uisites	if applica	if applicable							
	Participants on of places		ocati- if applica	ble							
	Additional in	formati	on if applica	if applicable							
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teaching	g-degree programmes)					

Scientific Discipline (60 ECTS credits)
Compulsory Electives Courses (60 ECTS credits)

Compulsory Electiv	ves Courses (6o	ECTS cree	dits)							
07-LA-BI01-092-	Basics of Biolo	cs of Biology - Cytology and Anatomy								
m01	ECTS 11	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		•	07-LA-BIO1-1-121: 07-LA-BIO1-2-121:	V + Ü (no information V + Ü (no informatior	s. Information on courses will b on SWS (weekly contact hours on SWS (weekly contact hours on SWS (weekly contact hours) and course lar) and course la	nguage available)		
	Method of ass	essment	stated	otherwise, succes	sful completion of th	essments in the individual mod e module will require successfu	al completion of	f all individual assessments.		
			of Cell • • • • • • • • • • • • •	s (Lecture, Practice 3 ECTS, Method of written examinatic Other prerequisite ses (weekly course reason; fortnightly ses (required perc admission prerequ sment in module co 4 ECTS, Method of written examinatic Other prerequisite ses (weekly course reason; fortnightly ses (required perc admission prerequ sment in module co ce) 4 ECTS, Method of written examinatic Other prerequisite ses (weekly course reason; fortnightly ses (required perc admission prerequisite ses (weekly course reason; fortnightly ses (required perc	grading: numerical gon (30 to 60 minutes) s: Admission prereques: a maximum of or courses: one incident entage as specified a usite to assessment. Deponent 07-LA-BIO grading: numerical gon (30 to 60 minutes) s: Admission prereques: a maximum of or courses: one incident entage as specified a usite to assessment. Deponent 07-LA-BIO grading: numerical gon (approx. 30 to 60 m s: Admission prereques: a maximum of or s: Admission prerequest on (approx. 30 to 60 m s: Admission prerequest a maximum of or courses: one incident entage as specified a set a maximum of or courses: one incident entage as specified a	grade uisite to assessment: regular at the incident of unexcused absence) and s at the beginning of the course). 1-2-121: The Plant Kingdom (Leo grade uisite to assessment: regular at the incident of unexcused absence) and s at the beginning of the course). 1-3-121: The Animal Kindom (Leo grade minutes) uisite to assessment: regular at the incident of unexcused absence) and s at the beginning of the course).	tendance of existendance and one existencessful complete to the preparation of existendance of	e, Practice) Structure and Function ercises, seminars and lab cour- cused absence for a legitimate pletion of the respective exerci- on of logs (10 to 15 pages) is an The Plant Kingdom (Lecture, Prac- ercises, seminars and lab cour- cused absence for a legitimate pletion of the respective exerci- on of logs (10 to 15 pages) is an The Animal Kindom (Lecture, ercises, seminars and lab cour- cused absence for a legitimate pletion of the respective exerci- on of logs (10 to 15 pages) is an		
	other prerequi	sites	admission prerequisite to assessment. By way of exception, additional prerequisites are listed in the section on assessments.							
	Referred to in I		§ 41 (1 § 41 (1) 1. Biologie "Zytolo) 2. "Physiologie de	ogie, Anatomie, Form er Pflanzen und Tiere	enkenntnis und Systematik vor	n Pflanzen und			

LA Realschulen Biology (2009) JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - -H 2009 page 3 / 17			
	LA Realschulen Biology (2009)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - - H 2009	page 3 / 17

07-LA-EVO-092-	Evoluti	on	1								
m01	ECTS	1	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate		
	Course	S	_	V + Ü	(no information on	SWS (weekly contact h	ours) and course language av	ailable)			
	Method	d of ass	essment	writte	n examination (app	rox. 30 minutes)					
	other p	rerequi	sites	mum dent o	Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.						
	Referre	Referred to in LPO I			1) 4. Biologie "Ökolo 1) 4. Biologie "Ökolo	ogie", "Evolutionsbiolo ogie", "Evolutionsbiolo	gie" und "Verhaltensbiologie" gie" und "Verhaltensbiologie'	1			
07-GHR-MI-	Basic N	Aicrobio	logy								
BI-092-m01	ECTS	1	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate		
	Courses	S		V + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	logs (logs (10 to 15 pages)						
	other p	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.						
	Referre	d to in L	.PO I		1) 3. "Genetik oder A 1) 3. Biologie "Gene	Mikrobiologie" tik und Mikrobiologie"					
07-LA-PHY1-092-	Basic P	hysiolo	gy I								
m01	ECTS	4	Duratio	n	1 semester	Method of grading r	numerical grade	Modul level	undergraduate		
	Course	s		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	writte	n examination (app	rox. 30 to 60 minutes)					
	other p	rerequi	sites	mum dent o	Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.						
	Referred to in LPO I					er Pflanzen und Tiere" iologie der Pflanzen un	d Tiere"				

07-LA-PHY2-092-	Basic Physiology II										
m01	ECTS	ECTS 4 Duratio			1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information on	SWS (weekly contact hours) and course lang	guage available)	_			
	Method	d of ass	essment	writte	n examination (app	prox. 30 to 60 minutes)					
	other p	rerequi	sites			o assessment: regular attendance of exercis					
						nexcused absence and one excused absence ace) and successful completion of the respec					
						The preparation of logs (10 to 15 pages) is a					
	Referre	d to in I				er Pflanzen und Tiere" iologie der Pflanzen und Tiere"					
07-GHR-OE-	Animal	and Pla	ant Ecolog	ŝy							
KO-092-m01	ECTS	4	Duration	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		•	 This module comprises 2 module components. Information on courses will be listed separately for each module component. o7-GHR-OEKO-2-092: V + Ü (no information on SWS (weekly contact hours) and course language available) o7-GHR-OEKO-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available) 						
	Courses				 Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component o7-GHR-OEKO-2-o92: Plant Ecology (Lecture, Practice) Plant Ecology (Lecture, Practice) 2 ECTS, Method of grading: numerical grade written examination (approx. 30 to 45 minutes) Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment. Assessment in module component o7-GHR-OEKO-1-092: Animal Ecology (Lecture, Practice) Animal Ecology (Lecture, Practice) 2 ECTS, Method of grading: numerical grade written examination (approx. 30 to 45 minutes) Other prerequisite to assessment. Assessment in module component o7-GHR-OEKO-1-092: Animal Ecology (Lecture, Practice) Animal Ecology (Lecture, Practice) 2 ECTS, Method of grading: numerical grade written examination (approx. 30 to 45 minutes) Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: a maximu of one incident of unexcused ab						
		admission prerequisite to assessment. prerequisites By way of exception, additional prerequisites are listed in the section on assessments.									
	other p	rerequi	sites	By wa	ly of exception, add	itional prerequisites are listed in the section	i on assessments.				

LA Realschulen Biology (2009)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - - H 2009	page 5 / 17

07-GHR-GEN-092-	Basic Principles of Genetics												
m01	ECTS	3	Duratior	า	1 semester	Method of grading numerical grade	Modul lev	el undergraduate					
	Course	S		V + Ü	(no information on	SWS (weekly contact hours) and course l	anguage available)						
	Method	d of ass	essment	writte	n examination (ap	prox. 30 to 45 minutes)							
	other p	orerequi	sites	mum dent e	of one incident of unexcused abse	to assessment: regular attendance of exer unexcused absence and one excused abs nce) and successful completion of the res). The preparation of logs (10 to 15 pages)	ence for a legitimate re pective exercises (requ	ason; fortnightly courses: one inci- lired percentage as specified at the					
		ed to in l		§ 41 (3 41 (1) 3. "Genetik oder Mikrobiologie"								
07-LA-FLO-	L	ora of Ge											
RA-092-m01	ECTS	6	Duratior		1 semester	Method of grading numerical grade	Modul lev						
	Course	S		٠	 nis module comprises 2 module components. Information on courses will be listed separately for each module component. o7-LA-FLORA-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available) o7-LA-FLORA-2-092: E (no information on SWS (weekly contact hours) and course language available) 								
				Asses many • • • • • •	4 ECTS, Method o written examinati Assessment offer Other prerequisite ses (weekly cours reason; fortnightl ses (required per admission prereq ssment in module o 2 ECTS, Method o 5 field trip logs (a	ssful completion of the module will require component o7-LA-FLORA-1-092: Systemation of grading: numerical grade ion (approx. 45 minutes) and practical iden red: once a year, summer semester es: Admission prerequisite to assessment ses: a maximum of one incident of unexc y courses: one incident of unexcused abs centage as specified at the beginning of t guisite to assessment. component o7-LA-FLORA-2-092: Field Excu of grading: (not) successfully completed upprox. 1 to 2 pages per field trip) red: once a year, summer semester	cs of the Flora of Germ ntification assignment : regular attendance of used absence and one ence) and successful c he course). The prepar	any Systematics of the Flora of Ger- (approx. 45 minutes) f exercises, seminars and lab cour- e excused absence for a legitimate ompletion of the respective exerci- ration of logs (10 to 15 pages) is an					
	other p	rerequi	sites	By wa	y of exception, add	ditional prerequisites are listed in the sect	ion on assessments.						
	Referre	ed to in l		§ 41 (§ 61 (1) 4. Biologie "Öko 1) 1. Biologie "Zyto	logie, Anatomie, Formenkenntnis und Sys logie", "Evolutionsbiologie" und "Verhalte logie, Anatomie, Formenkenntnis und Sys logie", "Evolutionsbiologie" und "Verhalte	nsbiologie" tematik von Pflanzen u						

	· · · · · · · · · · · · · · · · · · ·	
LA Realschulen Biology (2009)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - - H 2009	page 6 / 17

07-LA-HU-	Human Biology								
BIO-092-m01	ECTS	9	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Course	!S		٠	07-LA-HUBIO-1-092	2: V (no information of	on SWS (weekly conta	rses will be listed separate act hours) and course lang act hours) and course lang	
	Metho	d of ass							s as specified below. Unless all individual assessments.
					5 ECTS, Method of written examinatio sment in module co 4 ECTS, Method of logs (approx. 30 ho Only after successf is a prerequisite fo Other prerequisite ses (weekly course reason; fortnightly ses (required perco	grading: numerical g in (approx. 60 to 90 r pmponent 07-LA-HUB grading: (not) succes ours) and 10 to 15 dra ful completion of mod or participation in mo s: Admission prerequ es: a maximum of on courses: one incider	ninutes) IO-2-092: Basic Hum asfully completed wings Iule components: Suc dule component 07-L uisite to assessment: le incident of unexcu nt of unexcused abse	an Biology (Practice) cessful completion of moc A-HUBIO-2. regular attendance of exe sed absence and one exc nce) and successful comp	lule component 07-LA-HUBIO-1 rcises, seminars and lab cour- used absence for a legitimate letion of the respective exerci- n of logs (10 to 15 pages) is an
		orerequi					are listed in the section	on on assessments.	
	Referre	ed to in l			l) 5. Biologie "Huma l) 5. Biologie "Huma				

07-LA-FAU-	The Fau	The Fauna of Germany												
NA-092-m01	ECTS	6	Duratio	n	1 semester	Method of grading	g numerical grade	Modul level	undergraduate					
	Course	S			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o7-LA-FAUNA-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available) o7-LA-FAUNA-2-092: E (no information on SWS (weekly contact hours) and course language available) 									
	Method	d of ass	essment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.									
				Many • • •	4 ECTS, Method of written examinat Other prerequisit ses (weekly cour reason; fortnight ses (required pe admission prereo soment in module 2 ECTS, Method of log (approx. 3 pa	of grading: numerical tion (approx. 45 minut tes: Admission prerec rses: a maximum of c cly courses: one incide rcentage as specified quisite to assessmen component o7-LA-FA of grading: (not) succ ges)	grade tes) and practical identifica quisite to assessment: regu one incident of unexcused a ent of unexcused absence) at the beginning of the cou t. UNA-2-092: Field Excursion essfully completed	ition assignment (app llar attendance of exe absence and one exc and successful comp urse). The preparatio as on the Fauna of Gen	ercises, seminars and lab cour- cused absence for a legitimate oletion of the respective exerci- n of logs (10 to 15 pages) is an					
	other p	rerequi	sites	By way of exception, additional prerequisites are listed in the section on assessments.										
	Referred to in LPO I			 § 41 (1) 1. Biologie "Zytologie, Anatomie, Formenkenntnis und Systematik von Pflanzen und Tieren" § 41 (1) 4. Biologie "Ökologie", "Evolutionsbiologie" und "Verhaltensbiologie" § 61 (1) 1. Biologie "Zytologie, Anatomie, Formenkenntnis und Systematik von Pflanzen und Tieren" § 61 (1) 4. Biologie "Ökologie", "Evolutionsbiologie" und "Verhaltensbiologie" 										
07-GHR-MI-	Microb	iology	2											
Bl2-092-m01	ECTS	2	Duratio	n	1 semester	Method of grading	g numerical grade	Modul level	undergraduate					
	Course	s		Ü + V (no information on SWS (weekly contact hours) and course language available)										
	Method	d of ass	essment	written examination (approx. 30 minutes)										
	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.										
					§ 41 (1) 3. "Genetik oder Mikrobiologie"									
	Referre	d to in	LPO I	-	1) 3. "Genetik ode	r Mikrobiologie"								
07-GHR-BT-092-			LPO I hnics and	§ 41 (r Mikrobiologie"								
07-GHR-BT-092- m01	Biology			§ 41 (Medic		-	g (not) successfully comple	eted Modul level	undergraduate					
	Biology	y in Tec	hnics and	§ 41 (Medic n	ine 1 semester	Method of grading	g (not) successfully compleours) and course language a		undergraduate					
	Biology ECTS Course	y in Tec 1 S	hnics and Duration	§ 41 (Medic n V (no	ine 1 semester information on SV	Method of grading			undergraduate					

LA Realschulen Biology (2009)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - - H 2009	page 8 / 17

07-RS-FBW-092-	Advanced Biology Course										
m01	ECTS	8	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	ès	Т	• 07-RS-FBW-B-1-	mponents; information on courses listed separ -092: Ü + Ü (no information on language and nu -092: Ü + Ü (no information on language and nu	umber of weekly contact	hours available)				
	Metho	d of ass		,	following 2 assessment components. To pass th	,					
			,	 8 ECTS credits, a) written exam	ent to module component 07-RS-FBW-B-1-092: , method of grading: numerical grade nination (30-120 minutes) or b) log (10-30 page oral examination in groups up to three candic	es) or c) oral examination	n of on candidate each (20-60				
				 (30-120 hours t Other prerequises (weekly courses (weekly courses)) 		egular attendance of exe d absence and one excus) and successful complet	rcises, seminars and lab cour- ed absence for a legitimate re-				
			F	Assessment compone • 8 ECTS credits,	ent to module component o7-RS-FBW-Z-2-092: , method of grading: numerical grade	Übung im Schwerpunkt	-				
				minutes) or d) (30-120 hours t		dates or e) presentation	(20-45 minutes) or f) portfolio				
				ses (weekly cou ason; fortnight	sites: admission prerequisite to assessment: R urses: a maximum of one incident of unexcused ly courses: one incident of unexcused absence) entage as specified at the beginning of the cour	d absence and one excus) and successful complet	ed absence for a legitimate re-				
	other prerequisites By wa			By way of exception, additional prerequisites are listed in the section on assessments.							
		pants a of place			location of places listed separately for each mo -092: Number of places: max. 6. -092:	odule component.					
	Referre	ed to in	LPO I §	§ 41 (1) 2. "Physiologi	e der Pflanzen und Tiere"						

07-LA-FD-	Basic	Basic Didactics in Biology									
GRU-092-m01	ECTS	7	Duratio	n 2 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	25		 07-LA-FDGRU-2 	es 2 module components. Information on courses -092: S (no information on SWS (weekly contact h -092: V + S (no information on SWS (weekly conta	nours) and course lang	guage available)				
			essment	stated otherwise, such Assessment in modul • 2 ECTS, Method • written examin • Other prerequises ses (weekly con- reason; fortnig- ses (required p- admission prere- Assessment in modul into Didactics in Biolo • 5 ECTS, Method • a) written exam- examination (6 • Other prerequises ses (weekly con- reason; fortnig- ses (weekly con- reason; fortnig- ses (required p- admission prere- ses (required p- admission prere- admission prere- admission prere- admission prere- admission prere	d of grading: numerical grade nination (60 to 90 minutes) and written examina to to 90 minutes) and oral examination of one can sites: Admission prerequisite to assessment: regu urses: a maximum of one incident of unexcused htly courses: one incident of unexcused absence) percentage as specified at the beginning of the co requisite to assessment.	cessful completion of pecific Didactics in Bi ages) ular attendance of exe absence and one exc and successful comp ourse). The preparation ato Didactics in Biolog ation (20 to 30 minute odidate each (10 to 30 ular attendance of exe absence and one exc and successful comp ourse). The preparation	all individual assessments. ology (Seminar) ercises, seminars and lab cour- cused absence for a legitimate oletion of the respective exerci- n of logs (10 to 15 pages) is an y (Lecture, Practice) Introduction es), weighted 3:2 or b) written minutes) ercises, seminars and lab cour- cused absence for a legitimate oletion of the respective exerci-				
	other prerequisites Referred to in LPO I				additional prerequisites are listed in the section o	n assessments.					
	Keterre	ea to in		§ 38 (1) 1. Didaktik de							

07-RS-	Special Didact	ics in Bio	ogy: Learning Places outside School				
FDASL1-092-m01	ECTS 3	Duration	1 semester Method of grading (not) successfully completed Modul level undergraduate				
	Courses		 This module has 3 components; information on courses listed separately for each component. o7-RG-FDASL1-1-092: Ü (no information on language and number of weekly contact hours available) o7-RG-FDASL1-2-092: Ü (no information on language and number of weekly contact hours available) o7-RS-FDASL1-3-092: Ü (no information on language and number of weekly contact hours available) 				
	Method of ass	essment	This module has the following 3 assessment components. To pass the module as a whole students must pass the third as- sessment component and one of the remaining two.				
			 Assessment component to module component o7-RG-FDASL1-1-092: Arbeiten im Lehr-Lern-Labor 2 ECTS credits, method of grading: (not) successfully completed practice study/evaluation (10-15 pages) Other prerequisites: admission prerequisite to assessment: Regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment. Assessment component to module component o7-RG-FDASL1-2-092: Arbeiten im LehrLernGarten 2 ECTS credits, method of grading: (not) successfully completed practice study/evaluation (10-15 pages) Other prerequisites: admission prerequisite to assessment: Regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment. Assessment component to module component o7-RS-FDASL1-3-092: Freilandbiologie für die Realschule 1 ECTS credits, method of grading: (not) successfully completed 				
	other prerequis	sites	 seminar paper (3-5 pages) By way of exception, additional prerequisites are listed in the section on assessments. 				
	Referred to in L	LPO I	§ 41 (1) 6. Biologie Fachdidaktik § 61 (1) 8. Biologie Didaktik				
07-LA-FDUM-092-	Special Didact	ics in Bio	ogy: Teaching Aids				
m01	ECTS 2	Duration	1 semester Method of grading (not) successfully completed Modul level undergraduate				
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		seminar paper (10 to 15 pages)				
	other prerequisites		Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.				
	Referred to in L	LPO I	§ 41 (1) 6. Biologie Fachdidaktik				

LA Realschulen Biology (2009)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - - H 2009	page 11 / 17

Freier Bereich (general as well as subject-specific electives)

Teaching degree students must take modules worth a total of 15 ECTS credits in the area Freier Bereich (general as well as subject-specific electives) (Section 9 LASPO (general academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modules from the areas below.

Freier Bereich -- interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex "Ergänzende Bestimmungen für den "Freien Bereich" im Rahmen des Studiums für ein Lehramt".

Biology (Freier Bereich (ger	neral as v	well as	subject-sp	pecific	electives) subjec	t specific)			
07-LA-NEUR-092-	Neurob	iology							
m01	ECTS	2	Duratio	n	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate
	Course	S		V + Ü	(no information on	SWS (weekly contact h	ours) and course language	e available)	
	Method	d of ass	essment	writte	n examination (ap	orox. 30 minutes)			
	other p	rerequi	sites	mum dent o	of one incident of unexcused abset	unexcused absence and nce) and successful cor	l one excused absence for	a legitimate reaso exercises (required	ourses (weekly courses: a maxi- on; fortnightly courses: one inci- d percentage as specified at the ite to assessment.
	Referre	d to in	LPO I	§ 61 (1) 2. Biologie "Phys	iologie der Pflanzen un	d Tiere"		
07-LA-RHET-092-	Biologi	ical Rhe	etorics and	d Comn	nunication				
m01	ECTS	4	Duratio		1 semester		(not) successfully complete		undergraduate
	Courses			•	 This module comprises 2 module components. Information on courses will be listed separately for each module component. o7-LA-RHET-1-092: V (no information on SWS (weekly contact hours) and course language available) o7-LA-RHET-2-092: S (no information on SWS (weekly contact hours) and course language available) 				
	Method of assessment		essment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.				
				Asses	sment in module o	component o7-LA-RHET-	1-092: Basics and Possibi	lities of Communic	cation
				 3 ECTS, Method of grading: (not) successfully completed written examination (approx. 45 to 60 minutes) including multiple choice questions 					
				Asses •	 Assessment in module component o7-LA-RHET-2-092: Special Topics on "Basics and Possibilities of Communication" 1 ECTS, Method of grading: (not) successfully completed a) presentation (approx. 20 minutes) or b) term paper (approx. 8 pages) 				
07-LA-TUSB1-092-	Superv	ising T	utorial for			••			
m01	ECTS	3	Duratio	1	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate
	Course	S		T (no i	information on SW	S (weekly contact hours	i) and course language ava	ailable)	
	Method of assessment		prese	presentation portfolio (approx. 60 hours total)					
07-LA-TUSB2-092-	Superv	ising T	utorial for	Biology 2					
m01	ECTS	4	Duratio	n	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate
	Course	S		T (no i	information on SW	S (weekly contact hours	s) and course language ava	ailable)	
	Method	d of ass	essment	prese	ntation portfolio (a	pprox. 90 hours total)			

LA Realschulen Biology (2009)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - - H 2009	page 12 / 17

07-LA-TUFB1-092-	Supervising T	Supervising Tutorial for Basic Courses in Biology 1							
m01	ECTS 3	Duratio	n	1 semester	Method of grading (not) suc	cessfully completed	Modul level	undergraduate	
	Courses		T (no	information on SWS	(weekly contact hours) and co	ourse language availab	ole)		
	Method of as	sessment	portfo	olio and reports (app	rox. 60 hours total)				
07-LA-TUFB2-092-	Supervising T	utorial for	Basic	Courses in Biology	2				
mo1 ECTS 4 Duration		Duratio	n	1 semester	Method of grading (not) suc	cessfully completed	Modul level	undergraduate	
	Courses		T (no	information on SWS	(weekly contact hours) and co	ourse language availab	le)		
	Method of as	sessment	portfo	olio and reports (app	rox. 90 hours total)				
07-LA-TUFB3-092-	Supervising T	utorial for	Basic	Courses in Biology	3				
m01	ECTS 5	Duratio	n	1 semester	Method of grading (not) suc	cessfully completed	Modul level	undergraduate	
	Courses		T (no	information on SWS	(weekly contact hours) and co	ourse language availab	ole)		
	Method of as	sessment	portfo	portfolio and reports (approx. 120 hours total)					
07-LA-ZQN2-092-	Additional Qu	alification MINT 2							
m01	ECTS 2	Duratio	n	1 semester	Method of grading (not) suc	cessfully completed	Modul level	undergraduate	
	Courses		V + S	V + S + \ddot{U} (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		minut	a) written examination (30 to 120 minutes) or b) log (10 to 30 pages) or c) oral examination of one candidate each (20 to 60 minutes) or d) oral examination in groups of up to 3 candidates or e) presentation (20 to 45 minutes) or f) portfolio (30 to 120 hours)					
07-LA-ZQN3-092-	Additional Qu	alification	MINT	3					
m01	ECTS 3	Duratio	n	1 semester	Method of grading (not) suc	cessfully completed	Modul level	undergraduate	
	Courses			Ü + S + V (no information on SWS (weekly contact hours) and course language available)					
			a) written examination (30 to 120 minutes) or b) log (10 to 30 pages) or c) oral examination of one candidate each (20 to 60 minutes) or d) oral examination in groups of up to 3 candidates or e) presentation (20 to 45 minutes) or f) portfolio (30 to 120 hours)						
07-LA-ZQN4-092-	07-LA-ZQN4-092- Additional Qualificati		MINT	4					
m01	ECTS 4 Duration		n	1 semester	Method of grading (not) suc	cessfully completed	Modul level	undergraduate	
	Courses		V + S	+ Ü (no information	on SWS (weekly contact hours)) and course language	available)		
	Method of assessment			es) or d) oral exami				f one candidate each (20 to 60 ninutes) or f) portfolio (30 to 120	

07-4S1M-	Ecology an	nd Developme	ental Biology	of marine org	ganisms			
Z3-092-m01	ECTS 5	Duratio	n 1 sem	ester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		• 07-45	51MZ3-1MO-0	92: Ü (no informatior	. Information on courses will on SWS (weekly contact hou on SWS (weekly contact hou	irs) and course lar	
	Method of	assessment				essments in the individual me e module will require success		
			 4 ECT log (a Asses Other tion c Assessment 1 ECT prese 	S, Method of pprox. 10 to a sment offere prerequisite of the respect in module co S, Method of ntation (approversion)	grading: numerical g 20 pages) d: once a year, sumn s: Admission prerequ ive exercises as spec	ner semester iisite to assessment: regular a ified at the beginning of the c g-2MO-092: Seminar on Marin sfully completed	attendance of exe	y of Marine Organisms rcises and successful comple-
	other prere	equisites	By way of ex	ception, add	itional prerequisites	are listed in the section on as	sessments.	
	Participant cation of p	ts and allo- laces	 07-45 ces, p Biolo of pla 5% o Biolo tics a gy (a: quota Shou unifo pone have consi group this p grade 	a1MZ3-1MO-o places will be gie (Biology) ices will be a f places (a m gie (Biology) nd Mathema s well as pote a exceed the r ld there be, v rm regulation nt that are co successfully deration. A w o 1 (95%): Pla urpose, apple	92: Number of places allocated as follows: with 180 ECTS credits llocated to students of inimum of one partic with 60 ECTS credits tik (Mathematics), ea entially to students of number of application vithin one module co of or the courses of o oncerned will be alloc completed at least on vaiting list will be main the will be main the students taken during to sments taken during to sments taken during to allocate the students to sments taken during to allocate to students to allocate to allocate to students	Places will primarily be alloca . Should the module be used of the Bachelor's degree subj ipant in total) will be allocate and to students of the Bache ach with 180 ECTS credits, as of other 'importing' subjects). ns, the remaining places will mponent, several courses wi ne module component. In thi ated in a standardised proce e other module component of ntained and places re-allocat allocated according to the ap according to the number of EC their studies or of all module	pplications excee ated to students of in other subjects, ect Biologie (Biolo ed to students of elor's degree subj s part of the appli . Should the num be allocated to ap th a restricted num is case, places on dure. In this proc f the respective m red as they becom oplicants' previou CTS credits they had components in the	d the number of available pla- the Bachelor's degree subject there will be two quotas: 95% ogy) with 180 ECTS credits and the Bachelor's degree subject ects Computational Mathema- cation-oriented subject Biolo- ber of places available in one oplicants from the other quota. mber of places, there will be a all courses of a module com- edure, applicants who already odule will be given preferential the available. Selection process s academic achievements. For ave achieved and their average e subject of Biologie (Biology)
LA Realschulen Biology	(2009)		done numb (quar and p be all alloca in mo	as follows: F ber of ECTS cr atitative ranki blaces will be ocated accord ated accordin dules/modul	irst, applicants will b edits (qualitative ran ng). The applicants' p allocated according rding to the qualitative g to the following qu le components of the plicants with the sam	e ranked, firstly, according to king) and, secondly, accordin position in a third ranking will to this third ranking. Among re ranking or otherwise by lot otas: Quota 1 (50% of places) Faculty of Biology; among a JMU Würzburg • generated 26-Aug- re number of subject semester	their average gra- be their total nu- be calculated as g applicants with . Selection process total number of <u>pplicants with the</u> <u>2024</u> • exam. reg. data re- ers, places will be	me of application. This will be ade weighted according to the mber of ECTS credits achieved the sum of these two rankings, the same ranking, places will ss group 2 (5%): Places will be ECTS credits already achieved same number of ECTS credits coord L3 026 - - H 2009 page 14 / 17 allocated by lot. Quota 3 (25% subject Biologie (Biology) with
			180 E		places will be allocate	ed according to the selection		

07-LA-EX-	Excursion on Zoology or Botany lasting several days										
KURS1-092-m01	ECTS 4 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate									
	Courses	S + E (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment	log (10 to 20 pages) or written examination (30 to 90 minutes)									
07-RG-	Special Didactics in Biology: Teacher-Training Lab/Teach'n'LearnGarden										
FDASL2-092-m01	ECTS 4 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate									
	Courses	 This module comprises 2 module components. Information on courses will be listed separately for each module component. o7-RG-FDASL2-1-092: Ü (no information on SWS (weekly contact hours) and course language available) o7-RG-FDASL2-2-092: S (no information on SWS (weekly contact hours) and course language available) 									
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.									
		 Assessment in module component o7-RG-FDASL2-1-092: Advanced Course on "Working in the Teacher-Training Lab/Te-ach'n'LearnGarden" (Practice) 2 ECTS, Method of grading: (not) successfully completed portfolio (7 to 10 pages) Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment. Assessment in module component o7-RG-FDASL2-2-092: Introduction to Educational Research (Seminar) 2 ECTS, Method of grading: (not) successfully completed term paper (7 to 10 pages) Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: a maximum of one incident of unexcused absence of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence and one excused absence for a leg									
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.									
07-LA-FD- STX-092-m01		logy: Preparation for the Written Exam									
517-092-11101	ECTS 2 Duratio										
	Courses	S (no information on SWS (weekly contact hours) and course language available)									
		seminar paper (7 to 10 pages)									
	other prerequisites	Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course).									

LA Realschulen Biology (2009) JM	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record L3 026 - - H 2009	page 15 / 17

07-LA-FD-	Special Didactics in Biology: Health Education									
GES-092-m01	ECTS 2 Duration	1 semester Method of grading (not) successfully completed Modul level undergraduate								
	Courses	S (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment	seminar paper (7 to 10 pages)								
	other prerequisites	Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course).								
07-LA-FD-	Special Didactics in Bio	logy: Motivation and Discipline in Biology Education								
DIS-092-m01	ECTS 2 Duration	1 semester Method of grading (not) successfully completed Modul level undergraduate								
	Courses	S (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment	seminar paper (7 to 10 pages)								
	other prerequisites	Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course).								
07-GS-FD-	Advanced Didactics in Biology									
SOV-092-m01	ECTS 5 Duration	1 semester Method of grading (not) successfully completed Modul level undergraduate								
	Courses	E + S (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment	a) seminar paper (17 to 20 pages), b) portfolio (approx. 90 hours)								
	other prerequisites	Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maxi- mum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one inci- dent of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course).								
	Referred to in LPO I	§ 36 (1) 7. Didaktik der Grundschule Biologie								

Preparation of a written Hausarbeit (thesis) in accordance with the provisions of Section 29 LPO I (examination regulations for teaching-degree programmes) is a prerequisite for teaching degree students to be admitted to the Erste Staatsprüfung (First State Examination). In accordance with the provisions of Section 29 LPO I, students studying for a teaching degree Realschule may write this thesis in one of the subjects they selected as Unterrichtsfach (subject studied with a focus on the scientific discipline) or in the subject Erziehungswissenschaften (Educational Science). Pursuant to Section 29 Subsection 1 Sentence 2 LPO I, students may also choose to write an interdisciplinary thesis.

07-RS-UF-HA-092-	Thesis in Biology								
m01	ECTS	TS 10 Duration		า	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o7-RS-UF-HA-1-092: no courses assigned o7-RS-UF-HA-2-092: no courses assigned 					
	Method of assessment			 Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component o7-RS-UF-HA-1-092: Thesis in Didactics in Biology 10 ECTS, Method of grading: numerical grade written thesis (30 to 50 pages) 					
				 Assessment in module component o7-RS-UF-HA-2-092: Thesis in Science Biology 10 ECTS, Method of grading: numerical grade written thesis (30 to 50 pages) 					
	Additional Information			Additional information on module duration: 1 to 2 semesters.					