

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

Abbreviations used: 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)

Conventions for the modules in this SFB: Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Information on assessment procedures: Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method 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 specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y				
	Method of assessment						
	Only after successful completion of		if applicable				
	Other prerequisites		if applicable				
	Participants and allocation of places		if applicable				
	Additional information		if applicable				
	Referred to in LPO I		if applicable (examination regulations for teaching-degree programmes)				

Scientific Discipline (6o ECTS credits)							
Compulsory Electives Courses (6o ECTS credits)							
07-LA-BIO1-092-m01	Basics of Biology - Cytology and Anatomy						
	ECTS	11	Duration	1 semester	Method of grading	numerical grade	Modul level undergraduate
	Courses		This module comprises 3 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> 07-LA-BIO1-1-121: V + Ü (no information on SWS (weekly contact hours) and course language available) 07-LA-BIO1-2-121: V + Ü (no information on SWS (weekly contact hours) and course language available) 07-LA-BIO1-3-121: V + Ü (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 07-LA-BIO1-1-121: Structure and Function of Cells (Lecture, Practice) Structure and Function of Cells (Lecture, Practice) <ul style="list-style-type: none"> 3 ECTS, Method of grading: numerical grade written examination (30 to 60 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 07-LA-BIO1-2-121: The Plant Kingdom (Lecture, Practice) The Plant Kingdom (Lecture, Practice) <ul style="list-style-type: none"> 4 ECTS, Method of grading: numerical grade written examination (30 to 60 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 07-LA-BIO1-3-121: The Animal Kingdom (Lecture, Practice) The Animal Kingdom (Lecture, Practice) <ul style="list-style-type: none"> 4 ECTS, Method of grading: numerical grade written examination (approx. 30 to 60 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. 				
	other prerequisites		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) 2. "Physiologie der Pflanzen und Tiere" § 61 (1) 1. Biologie "Zytologie, Anatomie, Formenkenntnis und Systematik von Pflanzen und Tieren"				

07-LA-EVO-092-mo1	Evolution							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 30 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.					
	Referred to in LPO I		§ 41 (1) 4. Biologie "Ökologie", "Evolutionsbiologie" und "Verhaltensbiologie" § 61 (1) 4. Biologie "Ökologie", "Evolutionsbiologie" und "Verhaltensbiologie"					
07-GHR-MI-BI-092-mo1	Basic Microbiology							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		logs (10 to 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.					
	Referred to in LPO I		§ 41 (1) 3. "Genetik oder Mikrobiologie" § 61 (1) 3. Biologie "Genetik und Mikrobiologie"					
07-LA-PHY1-092-mo1	Basic Physiology I							
	ECTS	4	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 30 to 60 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.					
	Referred to in LPO I		§ 41 (1) 2. "Physiologie der Pflanzen und Tiere" § 61 (1) 2. Biologie "Physiologie der Pflanzen und Tiere"					

07-LA-PHY2-092-mo1	Basic Physiology II							
	ECTS	4	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 30 to 60 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.						
	Referred to in LPO I	§ 41 (1) 2. "Physiologie der Pflanzen und Tiere" § 61 (1) 2. Biologie "Physiologie der Pflanzen und Tiere"						
07-GHR-OE-KO-092-mo1	Animal and Plant Ecology							
	ECTS	4	Duration	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. <ul style="list-style-type: none">07-GHR-OEKO-2-092: V + Ü (no information on SWS (weekly contact hours) and course language available)07-GHR-OEKO-1-092: V + Ü (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 07-GHR-OEKO-2-092: Plant Ecology (Lecture, Practice) Plant Ecology (Lecture, Practice) <ul style="list-style-type: none">2 ECTS, Method of grading: numerical gradewritten 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 07-GHR-OEKO-1-092: Animal Ecology (Lecture, Practice) Animal Ecology (Lecture, Practice) <ul style="list-style-type: none">2 ECTS, Method of grading: numerical gradewritten 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.						
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.						
	Referred to in LPO I	§ 41 (1) 4. Biologie "Ökologie", "Evolutionsbiologie" und "Verhaltensbiologie"						

07-GHR-GEN-092-m01	Basic Principles of Genetics							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	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.						
	Referred to in LPO I	§ 41 (1) 3. "Genetik oder Mikrobiologie"						
07-LA-FLO-RA-092-m01	The Flora of Germany							
	ECTS	6	Duration	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. <ul style="list-style-type: none">07-LA-FLORA-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available)07-LA-FLORA-2-092: E (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 07-LA-FLORA-1-092: Systematics of the Flora of Germany Systematics of the Flora of Germany <ul style="list-style-type: none">4 ECTS, Method of grading: numerical gradewritten examination (approx. 45 minutes) and practical identification assignment (approx. 45 minutes)Assessment offered: once a year, summer semesterOther 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 07-LA-FLORA-2-092: Field Excursions on the Flora of Germany <ul style="list-style-type: none">2 ECTS, Method of grading: (not) successfully completed5 field trip logs (approx. 1 to 2 pages per field trip)Assessment offered: once a year, summer semester						
	other prerequisites	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-LA-HU-BIO-092-m01	Human Biology							
	ECTS	9	Duration	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. <ul style="list-style-type: none">• 07-LA-HUBIO-1-092: V (no information on SWS (weekly contact hours) and course language available)• 07-LA-HUBIO-2-092: Ü (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 07-LA-HUBIO-1-092: Basic Human Biology (Lecture) <ul style="list-style-type: none">• 5 ECTS, Method of grading: numerical grade• written examination (approx. 60 to 90 minutes) Assessment in module component 07-LA-HUBIO-2-092: Basic Human Biology (Practice) <ul style="list-style-type: none">• 4 ECTS, Method of grading: (not) successfully completed• logs (approx. 30 hours) and 10 to 15 drawings• Only after successful completion of module components: Successful completion of module component 07-LA-HUBIO-1 is a prerequisite for participation in module component 07-LA-HUBIO-2.• 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.					
	other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.					
	Referred to in LPO I		§ 41 (1) 5. Biologie "Humanbiologie" § 61 (1) 5. Biologie "Humanbiologie"					

07-LA-FAU-NA-092-mo1	The Fauna of Germany							
	ECTS	6	Duration	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. <ul style="list-style-type: none">07-LA-FAUNA-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available)07-LA-FAUNA-2-092: E (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 07-LA-FAUNA-1-092: Systematics of the Fauna of Germany Systematics of the Fauna of Germany <ul style="list-style-type: none">4 ECTS, Method of grading: numerical gradewritten examination (approx. 45 minutes) and practical identification assignment (approx. 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 07-LA-FAUNA-2-092: Field Excursions on the Fauna of Germany <ul style="list-style-type: none">2 ECTS, Method of grading: (not) successfully completedlog (approx. 3 pages)						
	other prerequisites	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", "Evolutionssystematik" und "Verhaltensbiologie" § 61 (1) 1. Biologie "Zytologie, Anatomie, Formenkenntnis und Systematik von Pflanzen und Tieren" § 61 (1) 4. Biologie "Ökologie", "Evolutionssystematik" und "Verhaltensbiologie"						
07-GHR-MI-BI2-092-mo1	Microbiology 2							
	ECTS	2	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	Ü + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 30 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.						
	Referred to in LPO I	§ 41 (1) 3. "Genetik oder Mikrobiologie"						
07-GHR-BT-092-mo1	Biology in Technics and Medicine							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 20 minutes)						
	Referred to in LPO I	§ 41 (1) 1. Biologie "Zytologie, Anatomie, Formenkenntnis und Systematik von Pflanzen und Tieren"						

07-RS-FBW-092-m01	Advanced Biology Course							
	ECTS	8	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	This module has 2 components; information on courses listed separately for each component. <ul style="list-style-type: none">07-RS-FBW-B-1-092: Ü + Ü (no information on language and number of weekly contact hours available)07-RS-FBW-Z-2-092: Ü + Ü (no information on language and number of weekly contact hours available)						
	Method of assessment	This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components. Assessment component to module component 07-RS-FBW-B-1-092: Übung im Schwerpunkt Botanik <ul style="list-style-type: none">8 ECTS credits, method of grading: numerical gradea) written examination (30-120 minutes) or b) log (10-30 pages) or c) oral examination of on candidate each (20-60 minutes) or d) oral examination in groups up to three candidates or e) presentation (20-45 minutes) or f) portfolio (30-120 hours total)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). Assessment component to module component 07-RS-FBW-Z-2-092: Übung im Schwerpunkt Zoologie <ul style="list-style-type: none">8 ECTS credits, method of grading: numerical gradea) written examination (30-120 minutes) or b) log (10-30 pages) or c) oral examination of on candidate each (20-60 minutes) or d) oral examination in groups up to three candidates or e) presentation (20-45 minutes) or f) portfolio (30-120 hours total)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).						
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.						
	Participants and allocation of places	Inforamtion on the allocation of places listed separately for each module component. <ul style="list-style-type: none">07-RS-FBW-Z-2-092: Number of places: max. 6.07-RS-FBW-B-1-092: --						
	Referred to in LPO I	§ 41 (1) 2. "Physiologie der Pflanzen und Tiere"						

Teaching (12 ECTS credits)							
07-LA-FD-GRU-092-m01	Basic Didactics in Biology						
	ECTS	7	Duration	2 semester	Method of grading	numerical grade	Modul level undergraduate
	Courses	<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> 07-LA-FDGRU-2-092: S (no information on SWS (weekly contact hours) and course language available) 07-LA-FDGRU-1-092: V + S (no information on SWS (weekly contact hours) and course language available) 					
	Method of assessment	<p>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.</p> <p>Assessment in module component 07-LA-FDGRU-2-092: School-Type-Specific Didactics in Biology (Seminar)</p> <ul style="list-style-type: none"> 2 ECTS, Method of grading: numerical grade written examination (30 to 45 minutes) or term paper (10 to 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. <p>Assessment in module component 07-LA-FDGRU-1-092: Introduction into Didactics in Biology (Lecture, Practice) Introduction into Didactics in Biology (Lecture, Practice)</p> <ul style="list-style-type: none"> 5 ECTS, Method of grading: numerical grade a) written examination (60 to 90 minutes) and written examination (20 to 30 minutes), weighted 3:2 or b) written examination (60 to 90 minutes) and oral examination of one candidate each (10 to 30 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. 					
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.					
	Referred to in LPO I	§ 36 (1) 7. Didaktik der Grundschule Biologie § 38 (1) 1. Didaktik der Hauptschule Biologie § 38 (1) 1. Didaktik der Mittelschule Biologie § 41 (1) 6. Biologie Fachdidaktik § 61 (1) 8. Biologie Didaktik					

07-RS-FDASL1-092-m01	Special Didactics in Biology: Learning Places outside School							
	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. <ul style="list-style-type: none">• 07-RG-FDASL1-1-092: Ü (no information on language and number of weekly contact hours available)• 07-RG-FDASL1-2-092: Ü (no information on language and number of weekly contact hours available)• 07-RS-FDASL1-3-092: Ü (no information on language and number of weekly contact hours available)						
	Method of assessment	This module has the following 3 assessment components. To pass the module as a whole students must pass the third assessment component and one of the remaining two. Assessment component to module component 07-RG-FDASL1-1-092: Arbeiten im Lehr-Lern-Labor <ul style="list-style-type: none">• 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 07-RG-FDASL1-2-092: Arbeiten im LehrLernGarten <ul style="list-style-type: none">• 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 07-RS-FDASL1-3-092: Freilandbiologie für die Realschule <ul style="list-style-type: none">• 1 ECTS credits, method of grading: (not) successfully completed• seminar paper (3-5 pages)						
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.						
	Referred to in LPO I	§ 41 (1) 6. Biologie Fachdidaktik § 61 (1) 8. Biologie Didaktik						

07-LA-FDUM-092-m01	Special Didactics in Biology: Teaching Aids							
	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 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.						
	Referred to in LPO I	§ 41 (1) 6. Biologie Fachdidaktik						

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

07-LA-NEUR-092-m01	Neurobiology							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 30 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.					
	Referred to in LPO I		§ 61 (1) 2. Biologie "Physiologie der Pflanzen und Tiere"					
07-LA-RHET-092-m01	Biological Rhetorics and Communication							
	ECTS	4	Duration	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. <ul style="list-style-type: none">07-LA-RHET-1-092: V (no information on SWS (weekly contact hours) and course language available)07-LA-RHET-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 07-LA-RHET-1-092: Basics and Possibilities of Communication <ul style="list-style-type: none">3 ECTS, Method of grading: (not) successfully completedwritten examination (approx. 45 to 60 minutes) including multiple choice questions Assessment in module component 07-LA-RHET-2-092: Special Topics on "Basics and Possibilities of Communication" <ul style="list-style-type: none">1 ECTS, Method of grading: (not) successfully completeda) presentation (approx. 20 minutes) or b) term paper (approx. 8 pages)					
07-LA-TUSB1-092-m01	Supervising Tutorial for Biology 1							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		T (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation portfolio (approx. 60 hours total)					
07-LA-TUSB2-092-m01	Supervising Tutorial for Biology 2							
	ECTS	4	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		T (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation portfolio (approx. 90 hours total)					

07-LA-TUFB1-092-m01	Supervising Tutorial for Basic Courses in Biology 1							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	T (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	portfolio and reports (approx. 60 hours total)						
07-LA-TUFB2-092-m01	Supervising Tutorial for Basic Courses in Biology 2							
	ECTS	4	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	T (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	portfolio and reports (approx. 90 hours total)						
07-LA-TUFB3-092-m01	Supervising Tutorial for Basic Courses in Biology 3							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	T (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	portfolio and reports (approx. 120 hours total)						
07-LA-ZQN2-092-m01	Additional Qualification MINT 2							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V + S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	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-m01	Additional Qualification MINT 3							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	Ü + S + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	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-m01	Additional Qualification MINT 4							
	ECTS	4	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V + S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	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)						

07-4S1M- Z3-092-m01	Ecology and Developmental Biology of marine organisms							
	ECTS	5	Duration	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. <ul style="list-style-type: none">07-4S1MZ3-1MO-092: Ü (no information on SWS (weekly contact hours) and course language available)07-4S1MZ3-2MO-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 07-4S1MZ3-1MO-092: Ecology and Developmental Biology of Marine Organisms <ul style="list-style-type: none">4 ECTS, Method of grading: numerical gradelog (approx. 10 to 20 pages)Assessment offered: once a year, summer semesterOther prerequisites: Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course. Assessment in module component 07-4S1MZ3-2MO-092: Seminar on Marine Biology <ul style="list-style-type: none">1 ECTS, Method of grading: (not) successfully completedpresentation (approx. 20 to 30 minutes)Assessment offered: once a year, summer semester					
	other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.					
	Participants and allocation of places		Information on the allocation of places will be listed separately for each module component. <ul style="list-style-type: none">07-4S1MZ3-1MO-092: Number of places: 18. Should the number of applications exceed the number of available places, places will be allocated as follows: Places will primarily be allocated to students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits. Should the module be used in other subjects, there will be two quotas: 95% of places will be allocated to students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits and 5% of places (a minimum of one participant in total) will be allocated to students of the Bachelor's degree subject Biologie (Biology) with 60 ECTS credits and to students of the Bachelor's degree subjects Computational Mathematics and Mathematik (Mathematics), each with 180 ECTS credits, as part of the application-oriented subject Biology (as well as potentially to students of other 'importing' subjects). Should the number of places available in one quota exceed the number of applications, the remaining places will be allocated to applicants from the other quota. Should there be, within one module component, several courses with a restricted number of places, there will be a uniform regulation for the courses of one module component. In this case, places on all courses of a module component that are concerned will be allocated in a standardised procedure. In this procedure, applicants who already have successfully completed at least one other module component of the respective module will be given preferential consideration. A waiting list will be maintained and places re-allocated as they become available. Selection process group 1 (95%): Places will primarily be allocated according to the applicants' previous academic achievements. For this purpose, applicants will be ranked according to the number of ECTS credits they have achieved and their average grade of all assessments taken during their studies or of all module components in the subject of Biologie (Biology) (excluding Chemie (Chemistry), Physik (Physics), Mathematik (Mathematics)) at the time of application. This will be done as follows: First, applicants will be ranked, firstly, according to their average grade weighted according to the number of ECTS credits (qualitative ranking) and, secondly, according to their total number of ECTS credits achieved (quantitative ranking). The applicants' position in a third ranking will be calculated as the sum of these two rankings, and places will be allocated according to this third ranking. Among applicants with the same ranking, places will be allocated according to the qualitative ranking or otherwise by lot. Selection process group 2 (5%): Places will be allocated according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in modules/module components of the Faculty of Biology; among applicants with the same number of ECTS credits					
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			plicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Should the module be used only in the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits, places will be allocated according to the selection process of group 1. <ul style="list-style-type: none">07-4S1MZ3-2MO-092: --					

07-LA-EX-KURS1-092-m01	Excursion on Zoology or Botany lasting several days							
	ECTS	4	Duration	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-FDASL2-092-m01	Special Didactics in Biology: Teacher-Training Lab/Teach'n'LearnGarden							
	ECTS	4	Duration	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. <ul style="list-style-type: none">07-RG-FDASL2-1-092: Ü (no information on SWS (weekly contact hours) and course language available)07-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 07-RG-FDASL2-1-092: Advanced Course on "Working in the Teacher-Training Lab/Teach'n'LearnGarden" (Practice) <ul style="list-style-type: none">2 ECTS, Method of grading: (not) successfully completedportfolio (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 07-RG-FDASL2-2-092: Introduction to Educational Research (Seminar) <ul style="list-style-type: none">2 ECTS, Method of grading: (not) successfully completedterm 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 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.					
	other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.					
07-LA-FD-STX-092-m01	Special Didactics in Biology: Preparation for the Written Exam							
	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 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).					

07-LA-FD- GES-092-m01	Special Didactics in Biology: Health Education							
	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 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).					
07-LA-FD- DIS-092-m01	Special Didactics in Biology: Motivation and Discipline in Biology Education							
	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 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).					
07-GS-FD- SOV-092-m01	Advanced Didactics in Biology							
	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 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).					
	Referred to in LPO I		§ 36 (1) 7. Didaktik der Grundschule Biologie					
Thesis (10 ECTS credits)								
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-m01	Thesis in Biology							
	ECTS	10	Duration	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. <ul style="list-style-type: none"> 07-RS-UF-HA-1-092: no courses assigned 07-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. <p>Assessment in module component 07-RS-UF-HA-1-092: Thesis in Didactics in Biology</p> <ul style="list-style-type: none"> 10 ECTS, Method of grading: numerical grade written thesis (30 to 50 pages) <p>Assessment in module component 07-RS-UF-HA-2-092: Thesis in Science Biology</p> <ul style="list-style-type: none"> 10 ECTS, Method of grading: numerical grade written thesis (30 to 50 pages) 					
	Additional Information		Additional information on module duration: 1 to 2 semesters.					