Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Biology as a Bachelor's with 1 major

with the degree "Bachelor of Science" (180 ECTS credits)

Responsible: Faculty of Biology

Examination regulations version: 2007

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:

ASPO2007

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

09-Mar-2009 (2008-33) except for new versions of some modules

22-Dec-2009 (2009-98)

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)						

Compulsory Courses (91 ECTS credits)								
General Biology I (13 ECTS credits)								
07-1A1ZO-072-m01	**From cells to organisms**							
	ECTS	13	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	This module has 4 components; information on courses listed separately for each component. • 07-1A1ZO-1Z-072: V + Ü (no information on language and number of weekly contact hours available) • 07-1A1ZO-2E-072: Ü (no information on language and number of weekly contact hours available) • 07-1A1ZO-3P-072: V + Ü (no information on language and number of weekly contact hours available) • 07-1A1ZO-4T-072: V + Ü (no information on language and number of weekly contact hours available)						
	Method of assessment	This module has the following 4 assessment components. Unless stated otherwise, students must pass all of these assessment components to pass the module as a whole. **Assessment in module component 07-1A1ZO-1Z-072:** Die Zelle (The Cell), **in module component 07-1A1ZO-3P-072:** Das Pflanzenreich (The Plant Kingdom), and **in module component 07-1A1ZO-4T-072:** Das Tierreich (The Animal Kingdom) **:** • 4 ECTS credits, numerical grading • written examination (approx. 60 minutes) • Additional prerequisites: admission prerequisite to assessment: regular attendance of and participation in exercises as well as successful completion of the respective exercises as specified at the beginning of the course. **Assessment in module component 07-1A1ZO-2E-102:** Evolution • 1 ECTS credit, pass / fail • written examination (approx. 30 minutes, including multiple choice questions) • Additional prerequisites: admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.						
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.						

General Biology II (15 ECTS credits)								
07-2A2PH-072-m01	**Physiology of Organisms**							
	ECTS	9	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. • 07-2A2PH-1PR-072: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-2A2PH-2PF-072: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-2A2PH-3TI-072: 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 07-2A2PH-1PR-072:** Basic Physiology of Prokaryotes Basic Physiology of Prokaryotes • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 minutes) including multiple choice questions **Assessment in module component 07-2A2PH-2PF-072:** Plant Physiology Plant Physiology • 3 ECTS, Method of grading: numerical grade • written examination (approx. 45 minutes) • Other 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 07-2A2PH-3TI-072:** Animal Physiology Animal Physiology • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 minutes, word problems and/or multiple choice questions) • Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.					
	other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.					

<table>
<tr><td rowspan="5">07-2A2GN-V-072-m01</td><td colspan="8">Genetics, Neurobiology, Behaviour</td></tr>
<tr><td>ECTS</td><td>6</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="6">This module comprises 3 module components. Information on courses will be listed separately for each module component.
• 07-2A2GNV-1G-072: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 07-2A2GNV-2N-072: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 07-2A2GNV-3V-072: V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="6">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 07-2A2GNV-1G-072: Basic Genetics Basic Genetics
• 2 ECTS, Method of grading: numerical grade
• written examination (approx. 30 minutes)
• Other 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 07-2A2GNV-2N-072: Basic Neurobiology Basic Neurobiology
• 2 ECTS, Method of grading: numerical grade
• written examination (approx. 30 minutes)
• Other 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 07-2A2GNV-3V-072: Behavioural Biology Behavioural Biology
• 2 ECTS, Method of grading: numerical grade
• written examination (approx. 30 minutes, word problems and/or multiple choice questions)
• Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.</td></tr>
<tr><td colspan="2">other prerequisites</td><td colspan="6">By way of exception, additional prerequisites are listed in the section on assessments.</td></tr>
<tr><td colspan="2">Participants and allocation of places</td><td colspan="6">Only as part of "spezielles Studienangebot": 10 places.</td></tr>
<tr><td colspan="9">General Biology III (24 ECTS credits)</td></tr>
<tr><td rowspan="4">07-3A3BT-072-m01</td><td colspan="8">Biotechnology</td></tr>
<tr><td>ECTS</td><td>2</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="6">V + S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="6">written examination (30 minutes)</td></tr>
</table>

<table>
<tr><td rowspan="4">07-3A3E-BIO-072-m01</td><td colspan="8">Developmental Biology of Plants and Animals</td></tr>
<tr><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-3A3EBIO-1T-072: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 07-3A3EBIO-2P-072: V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">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 07-3A3EBIO-1T-072: Developmental Biology of Animals (Lecture and Experimental Course) Developmental Biology of Animals (Lecture and Experimental Course)
• 5 ECTS, Method of grading: numerical grade
• written examination (60 minutes)
Assessment in module component 07-3A3EBIO-2P-072: Developmental Biology of Plants (Lecture and experimental course) (Lecture and Experimental Course) Developmental Biology of Plants (Lecture and experimental course) (Lecture and Experimental Course)
• 5 ECTS, Method of grading: numerical grade
• written examination (60 minutes)</td></tr>
<tr><td rowspan="4">07-3A3BI-072-m01</td><td colspan="8">Bioinformatics</td></tr>
<tr><td>ECTS</td><td>2</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-3A3BI-1B-072: V (no information on SWS (weekly contact hours) and course language available)
• 07-3A3BI-2B-072: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">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 07-3A3BI-1B-072: Bioinformatics (Lecture)
• 1 ECTS, Method of grading: numerical grade
• written examination (approx. 20 minutes)
Assessment in module component 07-3A3BI-2B-072: Bioinformatics (Seminar)
• 1 ECTS, Method of grading: (not) successfully completed
• term paper (approx. 5 to 10 pages)</td></tr>
<tr><td>Participants and allocation of places</td><td colspan="7">Only as part of Biochemistry Master's: 5 places. Places will be allocated by lot.</td></tr>
</table>

<table>
<tr><td>07-3A3OE-072-mo1</td><td colspan="8">Ecology of plants and animals</td></tr>
<tr><td></td><td>ECTS</td><td>6</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-3A3OE-1T-072: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 07-3A3OE-2P-072: V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">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 07-3A3OE-1T-072: Ecology of Animals (Lecture and Practice) Ecology of Animals (Lecture and Practice)
• 3 ECTS, Method of grading: numerical grade
• written examination (45 minutes)
Assessment in module component 07-3A3OE-2P-072: Ecology of Plant (Lecture and Practice) Ecology of Plant (Lecture and Practice)
• 3 ECTS, Method of grading: numerical grade
• written examination (60 minutes)</td></tr>
<tr><td>07-3A3GE-072-mo1</td><td colspan="8">Genetics</td></tr>
<tr><td></td><td>ECTS</td><td>2</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">V + S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">written examination (30 minutes)</td></tr>
<tr><td>07-3A3P-B-072-mo1</td><td colspan="8">Pharmaceutical Biology</td></tr>
<tr><td></td><td>ECTS</td><td>2</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">V + S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">written examination (30 minutes)</td></tr>
<tr><td colspan="9">Mathematics/Quantitative Biology (9 ECTS credits)</td></tr>
<tr><td>07-2BM-072-mo1</td><td colspan="8">Mathematical Biology and Biostatistics</td></tr>
<tr><td></td><td>ECTS</td><td>4</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">written examination (approx. 45 minutes) including multiple choice questions</td></tr>
<tr><td></td><td>other prerequisites</td><td colspan="7">Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.</td></tr>
<tr><td></td><td>Participants and allocation of places</td><td colspan="7">Only as part of "spezielles Studienangebot": 30 places.</td></tr>
</table>

10-M-MCB-072-mo1	**Mathematics for students in Chemistry and Biology**							
	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. • 10-M-MCB-1-072: V (no information on SWS (weekly contact hours) and course language available) • 10-M-MCB-2-072: 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 10-M-MCB-1-072:** Mathematics for students in Chemistry and Biology • 3 ECTS, Method of grading: numerical grade • written examination (120 minutes) **Assessment in module component 10-M-MCB-2-072:** Exercises in Mathematics for students in Chemistry and Biology • 2 ECTS, Method of grading: (not) successfully completed • exercises (to be submitted on a weekly basis, written examination)					
Chemistry (20 ECTS credits)								
08-OC-Bio-072-mo1	**Organic Chemistry for students of biology**							
	ECTS	10	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. • 08-IOC-1-072: V (no information on SWS (weekly contact hours) and course language available) • 08-OC-Bio-2-072: P (no information on SWS (weekly contact hours) and course language available) • 08-OC-Bio-3-072: P (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 08-IOC-1-072:** Organic Chemistry for students of medicine, biomedicine, dental medicine, engineering and natural science • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 minutes) **Assessment in module component 08-OC-Bio-2-072:** Organic Chemistry 2 for students of biology • 4 ECTS, Method of grading: numerical grade • written examination (60 minutes) **Assessment in module component 08-OC-Bio-3-072:** Organic Chemistry - laboratory course for students of biology • 3 ECTS, Method of grading: (not) successfully completed • Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance (log approx. 5 to 10 pages), Nachtestate (post-experiment exams, approx. 15 minutes each) • Assessment offered: once a year, winter semester • Only after successful completion of module components: Successful completion of module component 08-IOC-1 is a prerequisite for participation in module component 08-OC-Bio-3.					

08-AC-Bio-072-m01	**Inorganic Chemistry for Biology Majors**							
	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. • 08-AC-NF-1-072: V (no information on SWS (weekly contact hours) and course language available) • 08-AC-Bio-2-072: P (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 08-AC-NF-1-072:** Inorganic Chemistry (lecture) • 3 ECTS, Method of grading: numerical grade • written examination (60 minutes) **Assessment in module component 08-AC-Bio-2-072:** Chemistry Lab for Biology Majors • 2 ECTS, Method of grading: (not) successfully completed • Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance (log approx. 5 to 10 pages), Nachtestate (post-experiment exams, approx. 15 minutes each) • Only after successful completion of module components: Successful completion of module component 08-AC-NF-1 is a prerequisite for participation in module component 08-AC-Bio-2.						
08-PC-Bio-072-m01	**Physical Chemistry for Biology Majors**							
	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. • 08-PC-Bio-1-062: V + Ü (no information on SWS (weekly contact hours) and course language available) • 08-PC-Bio-2-072: P (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 08-PC-Bio-1-062:** Thermodynamics, Kinetics, Electrochemistry (lecture) Thermodynamics, Kinetics, Electrochemistry (lecture) • 4 ECTS, Method of grading: numerical grade • written examination (60 minutes) **Assessment in module component 08-PC-Bio-2-072:** Physical Chemistry (lecture and lab) • 1 ECTS, Method of grading: (not) successfully completed • Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance (log approx. 5 to 10 pages), Nachtestate (post-experiment exams, approx. 15 minutes each) • Assessment offered: once a year, winter semester						
Physics (10 ECTS credits)								
11-EFNF-072-m01	**Introduction to Physics for Students of Non-physics-related Minor Subjects**							
	ECTS	7	Duration	2 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 120 minutes)						
	Participants and allocation of places	Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.						

11-PFNF-072-m01	**Practical Course Physics for Students of Non-physics-related Minor Subjects**							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) oral test (approx. 15 minutes) during experiment and b) ungraded written examination (approx. 90 minutes)					
	Participants and allocation of places		Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.					
Compulsory Electives (57 ECTS credits)								
General Biology IV (7 ECTS credits)								
07-4A4FA-072-m01	**Local Fauna**							
	ECTS	7	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. • 07-4A4FA-1FA-072: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-4A4FA-2FA-072: 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 07-4A4FA-1FA-072:** Fauna (Lecture, Practice on Systematic) Fauna (Lecture, Practice on Systematic) • 4 ECTS, Method of grading: numerical grade • written examination (45 minutes) and practical identification assignment (45 minutes); weighted 1:1 **Assessment in module component 07-4A4FA-2FA-072:** Fauna Field Excursions • 3 ECTS, Method of grading: (not) successfully completed • log (approx. 1 to 2 pages) and presentation (approx. 10 minutes)					
07-4A4FL-072-m01	**Local Flora**							
	ECTS	7	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. • 07-4A4FL-1FL-072: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-4A4FL-2FL-072: 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 07-4A4FL-1FL-072:** Flora (Lecture, Practice on Systematic) Flora (Lecture, Practice on Systematic) • 4 ECTS, Method of grading: numerical grade • written examination (45 minutes) and practical identification assignment (60 minutes); weighted 1:1 **Assessment in module component 07-4A4FL-2FL-072:** Flora Field Excursions • 3 ECTS, Method of grading: (not) successfully completed • log (approx. 1 to 2 pages) and presentation (approx. 10 minutes)					

Advanced Biology (10 ECTS credits)								
07-4BFMZ1-092-m01	**Developmental Biology for advanced students**							
	ECTS	5	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		a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)					
07-4BFMZ2-092-m01	**Cell Biology for advanced students**							
	ECTS	5	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 (60 minutes)					
07-4BFMZ3-092-m01	**Microbiology for advanced students**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (60 minutes)					
07-4BFMZ4-092-m01	**Bioinformatics for advanced students**							
	ECTS	5	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		log (approx. 10 to 20 pages)					
07-4BFMZ5-092-m01	**Biotechnology I**							
	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. • 07-4BFMZ5-1BT-092: P (no information on SWS (weekly contact hours) and course language available) • 07-4BFMZ5-2BT-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 07-4BFMZ5-1BT-092:** Biotechnology 1 (Lecture and Laboratory Practice) • 4 ECTS, Method of grading: numerical grade • log (approx. 10 to 20 pages) • Assessment offered: once a year, summer semester **Assessment in module component 07-4BFMZ5-2BT-092:** Seminar to Advanced Biotechnology 1 • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester					
07-4BFN-VO1-092-m01	**Neurobiology for advanced students**							
	ECTS	5	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 (60 minutes)					

07-4BFN-VO2-092-m01	**Behavioural physiology and sociobiology for advanced students**							
	ECTS	5	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 (60 minutes)					
07-4BFN-VO3-092-m01	**Ecology of Animals for advanced students**							
	ECTS	5	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 (60 minutes)					
07-4BF-PS1-092-m01	**Specific Plant Physiology**							
	ECTS	5	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 (60 minutes)					
07-4BF-PS2-092-m01	**Biophysics - Basic course**							
	ECTS	5	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 (60 minutes)					
07-4BF-PS3-092-m01	**Biochemistry - Basic course**							
	ECTS	5	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 (60 minutes)					
07-4BF-PS4-092-m01	**Basics plant Ecophysiology**							
	ECTS	5	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 (60 minutes)					

07-4BF-PS5-092-m01	**Pharmaceutical bio analytics**							
	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. • 07-4BFPS5-1BA-092: P (no information on SWS (weekly contact hours) and course language available) • 07-4BFPS5-2BA-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 07-4BFPS5-1BA-092:** Pharmaceutical Bioanalytics (practical course) • 4 ECTS, Method of grading: numerical grade • written examination (45 minutes) **Assessment in module component 07-4BFPS5-2BA-092:** Seminar Pharmaceutical Bio Analytics • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester						
Special Biosciences I (5 ECTS credits)								
03-4S1H-G-092-m01	**Human Genetics**							
	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. • 03-4S1HG-1HZ-092: V + Ü (no information on SWS (weekly contact hours) and course language available) • 03-4S1HG-2HZ-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 03-4S1HG-1HZ-092:** Human Genetics (Lecture and Laboratory Practice) Human Genetics (Lecture and Laboratory Practice) • 3 ECTS, Method of grading: numerical grade • 2 written examinations (multiple choice): mid-semester examination (15 minutes), end-of-semester examination (20 minutes) • Other prerequisites: A basic knowledge of genetics is recommended. **Assessment in module component 03-4S1HG-2HZ-092:** Human Genetics (Seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Other prerequisites: A basic knowledge of genetics is recommended.						
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.						

<table>
<tr><td>03-4S1IM-092-m01</td><td colspan="8">Immunology I</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 03-4S1IM-1IM-092: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 03-4S1IM-2IM-092: P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">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 03-4S1IM-1IM-092: Introduction into Immunology (Lecture and Practice) Introduction into Immunology (Lecture and Practice)
• 2 ECTS, Method of grading: numerical grade
• written examination (30 minutes)
• Language of assessment: German, English where required
Assessment in module component 03-4S1IM-2IM-092: Immunology (Laboratory Course)
• 3 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Language of assessment: German, English where required</td></tr>
<tr><td>03-4S1P-C-092-m01</td><td colspan="8">Physiological Chemistry I</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">written examination (60 minutes)</td></tr>
<tr><td>03-4S1VL-092-m01</td><td colspan="8">Virology I</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">This module comprises 3 module components. Information on courses will be listed separately for each module component.
• 03-4S1VL-1VL-092: V (no information on SWS (weekly contact hours) and course language available)
• 03-4S1VL-3VL-092: P (no information on SWS (weekly contact hours) and course language available)
• 03-4S1VL-2VL-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">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 03-4S1VL-1VL-092: Basic Virology (Lecture and Practice)
• 1 ECTS, Method of grading: numerical grade
• written examination (20 minutes)
• Language of assessment: German, English where required
Assessment in module component 03-4S1VL-3VL-092: Virology (Laboratory Course)
• 3 ECTS, Method of grading: numerical grade
• written examination (20 minutes) or oral examination (20 minutes)
• Language of assessment: German, English
Assessment in module component 03-4S1VL-2VL-092: Seminar on General Virology
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Language of assessment: German, English where required</td></tr>
</table>

07-4S1M-Z1-092-m01	**Advanced Light- and Electron-Microscopy**							
	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 (45 minutes)					
07-4S1M-Z2-092-m01	**Analysis of Chromosomes**							
	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 (45 minutes)					

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. • 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 • 4 ECTS, Method of grading: numerical grade • log (approx. 10 to 20 pages) • Assessment offered: once a year, summer semester • Other 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 • 1 ECTS, Method of grading: (not) successfully completed • presentation (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. • 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						

		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. • 07-4S1MZ3-2MO-092: --

<table>
<tr><td>07-4S1M-
Z4-092-m01</td><td colspan="8">Methods in Biotechnology</td></tr>
<tr><td></td><td>ECTS</td><td>2</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-4S1MZ4-1AB-092: V (no information on SWS (weekly contact hours) and course language available)
• 07-4S1MZ4-2AB-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">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 07-4S1MZ4-1AB-092: Methods in Biotechnology (Lecture)
• 1 ECTS, Method of grading: numerical grade
• written examination (20 minutes)
Assessment in module component 07-4S1MZ4-2AB-092: Seminar on Methods in Biotechnology
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, summer semester</td></tr>
<tr><td>07-4S1M-
Z5-092-m01</td><td colspan="8">Aspects of modern Biotechnology</td></tr>
<tr><td></td><td>ECTS</td><td>2</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-4S1MZ5-1MB-092: V (no information on SWS (weekly contact hours) and course language available)
• 07-4S1MZ5-2MB-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">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 07-4S1MZ5-1MB-092: Aspects of Modern Biotechnology (Lecture)
• 1 ECTS, Method of grading: numerical grade
• written examination (20 minutes)
Assessment in module component 07-4S1MZ5-2MB-092: Seminar on Molecular Biotechnology
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, summer semester</td></tr>
<tr><td>07-4S1M-
Z6-092-m01</td><td colspan="8">Special Bioinformatics I</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">log (approx. 10 to 20 pages)</td></tr>
<tr><td>07-4S1N-
VO1-092-m01</td><td colspan="8">Neurobiology I</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">log (approx. 10 to 20 pages)</td></tr>
</table>

07-4S1N-VO2-092-m01	**Aspects of Integrative Behavioural Biology**							
	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. • 07-4S1NVO2-1IV-092: V (no information on SWS (weekly contact hours) and course language available) • 07-4S1NVO2-2IV-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 07-4S1NVO2-1IV-092:** Aspects of Integrative Behavioural Biology 1 (Lecture and Practice) • 2 ECTS, Method of grading: numerical grade • written examination (30 minutes) • Language of assessment: German or English • Other prerequisites: A good command of the English language is recommended. **Assessment in module component 07-4S1NVO2-2IV-092:** Current Topics in Behavioural Biology • 3 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester • Language of assessment: German or English • Other prerequisites: A good command of the English language is recommended.					
	other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.					

07-4S1N-VO3-092-m01	**Functional Morphology of arthropods**							
	ECTS	5	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		term paper (approx. 5 to 10 pages)					
	other prerequisites		Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.					
	Participants and allocation of places		Number of places: 20. 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 achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; 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.						
07-4S1N-VO4-092-m01	**Ecology of insects**							
	ECTS	5	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 (60 minutes)					

<table>
<tr><td rowspan="4">07-4S1N-VO5-092-m01</td><td colspan="8">Ecology of populations</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-4S1NVO5-1PO-092: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 07-4S1NVO5-2PO-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="7">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 07-4S1NVO5-1PO-092: Basic Ecology of Populations (Lecture, Practice) Basic Ecology of Populations (Lecture, Practice)
• 4 ECTS, Method of grading: numerical grade
• written examination (45 minutes)
Assessment in module component 07-4S1NVO5-2PO-092: Ecology of Populations (Seminar)
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)</td></tr>
<tr><td rowspan="3">07-4S1PS1-092-m01</td><td colspan="8">Molecular modelling - From DNA to protein</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="7">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="7">computerised practical examination (4 hours)</td></tr>
<tr><td rowspan="3">07-4S1PS2-092-m01</td><td colspan="8">Introduction Methods in Plant Ecophysiology</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="7">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="7">log (approx. 10 to 20 pages)</td></tr>
<tr><td rowspan="4">07-4S1PS3-092-m01</td><td colspan="8">Pharmaceutical Drugs</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-4S1PS3-1PD-092: Ü (no information on SWS (weekly contact hours) and course language available)
• 07-4S1PS3-2PD-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="7">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 07-4S1PS3-1PD-092: Pharmaceutical Drugs (Laboratory Course)
• 3 ECTS, Method of grading: numerical grade
• written examination (45 minutes)
Assessment in module component 07-4S1PS3-2PD-092: Seminar on Pharmaceutical Drugs
• 2 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)</td></tr>
</table>

<table>
<tr><td>07-4S1PS4-092-m01</td><td colspan="8">Methods Pharmaceutical Biology - practical course</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="6">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-4S1PS4-1PB-092: P (no information on SWS (weekly contact hours) and course language available)
• 07-4S1PS4-2PB-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="6">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 07-4S1PS4-1PB-092: Analytics and Molecular Biology of Pharmaceutical Drugs (Laboratory Course)
• 4 ECTS, Method of grading: numerical grade
• written examination (45 minutes)
Assessment in module component 07-4S1PS4-2PB-092: Seminar on Analytics and Molecular Biology of Pharmaceutical Drugs
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, winter semester</td></tr>
<tr><td>08-BCB-072-m01</td><td colspan="8">Biochemistry for students of biological sciences</td></tr>
<tr><td></td><td>ECTS</td><td>6</td><td>Duration</td><td>2 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="6">V + Ü + V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="6">written examination (approx. 90 minutes)</td></tr>
<tr><td>08-BCPB-072-m01</td><td colspan="8">Biochemistry for students of biological sciences (practical course)</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>(not) successfully completed</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="6">P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="6">Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance (log approx. 5 to 10 pages), Nachtestate (post-experiment exams, approx. 15 minutes each)
Assessment offered: once a year, summer semester</td></tr>
<tr><td></td><td colspan="2">Participants and allocation of places</td><td colspan="6">Number of places: 25 per group.</td></tr>
</table>

<table>
<tr><th colspan="9">Special Biosciences II (20 ECTS credits)</th></tr>
<tr><td rowspan="4">07-5S2N-VO1-092-m01</td><td colspan="8">Neurobiology II</td></tr>
<tr><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-5S2NVO1-1NB-092: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 07-5S2NVO1-2NB-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">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 07-5S2NVO1-1NB-092: Neurobiology 2 (lecture and practical course) Neurobiology 2 (lecture and practical course)
• 7 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: German or English
Assessment in module component 07-5S2NVO1-2NB-092: Neurobiology 2 (seminar)
• 3 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)</td></tr>
<tr><td rowspan="4">07-5S2N-VO2-092-m01</td><td colspan="8">Integrative Behavioural Biology II</td></tr>
<tr><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">V + P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)</td></tr>
</table>

07-5S2N-VO3-092-m01	**Ecology of animals II**							
	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. • 07-5S2NVO3-1OE-092: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-5S2NVO3-2OE-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 07-5S2NVO3-1OE-092:** Ecology of Animals 2 - Planning of experiments and Statistics (lecture and practice) Ecology of Animals 2 - Planning of experiments and Statistics (lecture and practice) • 9 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 07-5S2NVO3-2OE-092:** Ecology of Animals 2 - Analysis of ecological data (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, winter semester					

07-5S2M-Z1-092-m01	**Methods in molecular cell - and developmental Biology**							
	ECTS	10	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. • 07-5S2MZ1-1ZE-092: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-5S2MZ1-2ZE-092: Ü (no information on SWS (weekly contact hours) and course language available) • 07-5S2MZ1-3ZE-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 07-5S2MZ1-1ZE-092:** Methods in molecular cell - and developmental Biology - Data processing and computer skills (lecture and practice) Methods in molecular cell - and developmental Biology - Data processing and computer skills (lecture and practice) • 3 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 07-5S2MZ1-2ZE-092:** Methods in molecular cell - and developmental Biology (laboratory course) • 6 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-5S2MZ1-3ZE-092:** Current topics in molecular cell - and developmental Biology (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					

07-5S2M-Z2-092-m01	**Specific Microbiology II**							
	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. • 07-5S2MZ2-1MI-092: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-5S2MZ2-2MI-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 07-5S2MZ2-1MI-092:** Specific microbiology 2 - molecular microbiology (lecture and laboratory course) Specific microbiology 2 - molecular microbiology (lecture and laboratory course) • 7 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 07-5S2MZ2-2MI-092:** Advanced microbiology 2 - Seminar in molecular microbiology • 3 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					
07-5S2M-Z3-092-m01	**Specific Bioinformatics II**							
	ECTS	10	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		a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)					
07-5S2M-Z4-092-m01	**Specific Biotechnology II**							
	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. • 07-5S2MZ4-1BT-092: P (no information on SWS (weekly contact hours) and course language available) • 07-5S2MZ4-2BT-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 07-5S2MZ4-1BT-092:** Specific Biotechnology 2 - Practical Biotechnology 2 (laboratory course) • 8 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 07-5S2MZ4-2BT-092:** Specific Biotechnology 2 - Seminar Biotechnology 2 • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					

<table>
<tr><td rowspan="4">07-5S2PS1-092-m01</td><td colspan="8">Physiology of membrane transport mechanisms</td></tr>
<tr><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-5S2PS1-1MT-092: Ü (no information on SWS (weekly contact hours) and course language available)
• 07-5S2PS1-2MT-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">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 07-5S2PS1-1MT-092: Physiology of membrane transport mechanisms (laboratory course)
• 9 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: German or English
Assessment in module component 07-5S2PS1-2MT-092: Physiology of membrane transport mechanisms - Progress in plant physiology (seminar)
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)</td></tr>
<tr><td rowspan="4">07-5S2PS2-092-m01</td><td colspan="8">Molecular biology of plants</td></tr>
<tr><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-5S2PS2-1MP-092: Ü (no information on SWS (weekly contact hours) and course language available)
• 07-5S2PS2-2MP-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">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 07-5S2PS2-1MP-092: Molecular Biology of plants (laboratory course)
• 9 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: German or English
Assessment in module component 07-5S2PS2-2MP-092: Molecular Biology of plants - Progress in plant physiology (seminar)
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)</td></tr>
</table>

<table>
<tr><td>07-5S2PS3-092-m01</td><td colspan="8">Protein biochemistry and expression of recombinant proteins</td></tr>
<tr><td></td><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="6">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-5S2PS3-1PP-092: Ü (no information on SWS (weekly contact hours) and course language available)
• 07-5S2PS3-2PP-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="6">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 07-5S2PS3-1PP-092: Protein biochemistry and expression of recombinant proteins (laboratory course)
• 9 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: German or English
Assessment in module component 07-5S2PS3-2PP-092: Protein biochemistry and expression of recombinant proteins - Progress in plant physiology (seminar)
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)</td></tr>
<tr><td>07-5S2PS4-092-m01</td><td colspan="8">Specific ecophysiology of plants</td></tr>
<tr><td></td><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="6">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-5S2PS4-1OP-092: Ü (no information on SWS (weekly contact hours) and course language available)
• 07-5S2PS4-2OP-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="6">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 07-5S2PS4-1OP-092: Advanced ecophysiology of plants (laboratory course)
• 9 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: German or English
Assessment in module component 07-5S2PS4-2OP-092: Specific ecophysiology of plants (seminar)
• 1 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)</td></tr>
</table>

07-5S2PS5-092-m01	**Molecular biological methods in pharmaceutical 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. • 07-5S2PS5-1MB-092: P (no information on SWS (weekly contact hours) and course language available) • 07-5S2PS5-2MB-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 07-5S2PS5-1MB-092:** Molecular biological methods in pharmaceutical biology (Laboratory course) • 9 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 07-5S2PS5-2MB-092:** Molecular biological methods in pharmaceutical biology (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					
07-5S2PS6-092-m01	**Biochemical methods in pharmaceutical 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. • 07-5S2PS6-1BC-092: P (no information on SWS (weekly contact hours) and course language available) • 07-5S2PS6-2BC-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 07-5S2PS6-1BC-092:** Molecular biological methods in pharmaceutical biology (Laboratory course) • 9 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 07-5S2PS6-2BC-092:** Biochemical methods in pharmaceutical Biology (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					
03-5S2IM-092-m01	**Immunology II**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)					

03-5S2V-L-092-m01	**Virology II**							
	ECTS	10	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. • 03-5S2VL-1VL-092: V (no information on SWS (weekly contact hours) and course language available) • 03-5S2VL-2VL-092: S (no information on SWS (weekly contact hours) and course language available) • 03-5S2VL-3VL-092: P (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 03-5S2VL-1VL-092:** Virology 2 (lecture) • 1 ECTS, Method of grading: numerical grade • written examination (30 minutes) • Language of assessment: German, English where required **Assessment in module component 03-5S2VL-2VL-092:** Virology 2 (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 03-5S2VL-3VL-092:** Virology 2 (laboratory course) • 8 ECTS, Method of grading: numerical grade • written examination (20 minutes) or oral examination (20 minutes) • Language of assessment: German, English where required						
03-5S2P-C-092-m01	**Physiological Chemistry II**							
	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. • 03-5S2PC-1HB1-092: Ü (no information on SWS (weekly contact hours) and course language available) • 03-5S2PC-2HB-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 03-5S2PC-1HB1-092:** Physiological chemistry 2 - Human biochemistry (laboratory course) • 9 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 03-5S2PC-2HB-092:** Physiological chemistry 2 - Seminar on human biochemistry 1 • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)						

03-5S2K-B-092-m01	**Clinical Biochemistry / Laboratory Medicine 1**							
	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. • 03-5S2KB-1KB-092: Ü (no information on SWS (weekly contact hours) and course language available) • 03-5S2KB-2KB-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 03-5S2KB-1KB-092:** Clinical biochemistry / laboratory medicine 1 (laboratory practice) • 8 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 03-5S2KB-2KB-092:** Clinical biochemistry / laboratory medicine 1 - Seminar clinical biochemistry • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English where required					
03-5S2ST-092-m01	**Structural Biology 1**							
	ECTS	10	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		a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)					
03-5S2ZT-092-m01	**Cellular tumour biology 1**							
	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. • 03-5S2ZT-1ZT-092: Ü (no information on SWS (weekly contact hours) and course language available) • 03-5S2ZT-2T-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 03-5S2ZT-1ZT-092:** Cellular tumour biology 1 (laboratory course) • 9 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 03-5S2ZT-2T-092:** Cellular tumour biology 1 - Current topics in tumour biology (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English where required					

03-5S2Z-M-092-m01	**Cellular Molecular biology 1**							
	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. • 03-5S2ZM-1ZM-092: Ü (no information on SWS (weekly contact hours) and course language available) • 03-5S2ZM-2ZM-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 03-5S2ZM-1ZM-092:** Cellular molecular biology 1 (laboratory course) • 8 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 03-5S2ZM-2ZM-092:** Cellular molecular biology 1 - Current topics in molecular biology (seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English where required					
03-5S2KN-092-m01	**Clinical Neurobiology 1**							
	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. • 03-5S2KN-1KN-092: Ü (no information on SWS (weekly contact hours) and course language available) • 03-5S2KN-2KN-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 03-5S2KN-1KN-092:** Clinical neurobiology 1 (laboratory course) • 8 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 03-5S2KN-2KN-092:** Clinical neurobiology 1 (seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English where required					
07-5EP-072-m01	**External Practical Course**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)					

07-5AP-072-m01	**Practical Course as exchange student**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)					
Special Biosciences III (15 ECTS credits)								
07-6S3N-VO1-092-m01	**Neurobiology III**							
	ECTS	15	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. • 07-6S3NVO1-1NB-092: P (no information on SWS (weekly contact hours) and course language available) • 07-6S3NVO1-2NB-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 07-6S3NVO1-1NB-092:** Neurobiology 3 (laboratory course) • 10 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-6S3NVO1-2NB-092:** Neurobiology 3 (seminar) • 5 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					

07-6S3N-VO2-092-m01	**Integrative Behavioural Biology III**							
	ECTS	15	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. • 07-6S3NVO2-1IV-092: P (no information on SWS (weekly contact hours) and course language available) • 07-6S3NVO2-2IV-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 07-6S3NVO2-1IV-092:** Integrative behavioural biology 3 (laboratory course) • 12 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English • Other prerequisites: A good command of the English language is recommended. **Assessment in module component 07-6S3NVO2-2IV-092:** Integrative behavioural biology 3 - Current topics in behavioural biology and socio-biology (seminar)) • 3 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English • Other prerequisites: A good command of the English language is recommended.					
	other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.					
07-6S3N-VO3-092-m01	**Ecology of animals III**							
	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. • 07-6S3NVO3-1TO-092: Ü (no information on SWS (weekly contact hours) and course language available) • 07-6S3NVO3-2TO-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 07-6S3NVO3-1TO-092:** Ecology of animals 3 (practical course) • 8 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 07-6S3NVO3-2TO-092:** Ecology of animals 3 (seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					

07-6S3N-VO4-092-m01	**Ecological modelling**							
	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. • 07-6S3NVO4-1MO-092: V + Ü (no information on SWS (weekly contact hours) and course language available) • 07-6S3NVO4-2MO-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 07-6S3NVO4-1MO-092:** Ecological modelling - Strategies of modelling in ecological science (lecture and practical course) Ecological modelling - Strategies of modelling in ecological science (lecture and practical course) • 4 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-6S3NVO4-2MO-092:** Ecological modelling (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)						
07-6S3N-VO5-092-m01	**Tropical Biology**							
	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. • 07-6S3NVO5-1TB-092: V (no information on SWS (weekly contact hours) and course language available) • 07-6S3NVO5-2TB-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 07-6S3NVO5-1TB-092:** Tropical biology (lecture) • 3 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-6S3NVO5-2TB-092:** Tropical biology (seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)						

<table>
<tr><td>07-6S3N-V06-092-m01</td><td colspan="8">Biology of nature conservation</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">This module comprises 3 module components. Information on courses will be listed separately for each module component.
• 07-6S3NVO6-1NB-092: V (no information on SWS (weekly contact hours) and course language available)
• 07-6S3NVO6-2NB-092: S (no information on SWS (weekly contact hours) and course language available)
• 07-6S3NVO6-3NB-092: E (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">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 07-6S3NVO6-1NB-092: Biology of nature conservation - Aspects of nature conservation and biodiversity (lecture)
• 1 ECTS, Method of grading: numerical grade
• written examination (20 minutes)
Assessment in module component 07-6S3NVO6-2NB-092: Biology of nature conservation - Seminar on nature conservation and biodiversity
• 2 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
Assessment in module component 07-6S3NVO6-3NB-092: Biology of nature conservation - Field excursion
• 2 ECTS, Method of grading: (not) successfully completed
• log (approx. 1 to 2 pages) and presentation (approx. 10 minutes)</td></tr>
<tr><td>07-6S3M-Z1-092-m01</td><td colspan="8">Molecular Cell Biology for advanced students</td></tr>
<tr><td></td><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-6S3MZ1-1MZ-092: P (no information on SWS (weekly contact hours) and course language available)
• 07-6S3MZ1-2MZ-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">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 07-6S3MZ1-1MZ-092: Advanced molecular cell biology (laboratory course)
• 12 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: German, English
Assessment in module component 07-6S3MZ1-2MZ-092: Current topics in molecular cell biology - (seminar)
• 3 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Language of assessment: German, English</td></tr>
</table>

07-6S3M-Z-2-092-m01	**Molecular Developmental Biology for advanced students**							
	ECTS	15	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. • 07-6S3MZ2-1ME-092: P (no information on SWS (weekly contact hours) and course language available) • 07-6S3MZ2-2ME-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 07-6S3MZ2-1ME-092:** Advanced molecular developmental biology (laboratory course) • 12 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-6S3MZ2-2ME-092:** Current topics in molecular developmental biology (seminar) • 3 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English					
07-6S3M-Z-3-092-m01	**Specific Microbiology III**							
	ECTS	15	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. • 07-6S3MZ3-1MI-092: P (no information on SWS (weekly contact hours) and course language available) • 07-6S3MZ3-2MI-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 07-6S3MZ3-1MI-092:** Specific microbiology 3 (laboratory course) • 10 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-6S3MZ3-2MI-092:** Specific microbiology 3 (seminar) • 5 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)					

07-6S3PS5-092-m01	**Research Project in Pharmaceutical Biology with Focus on Molecular Biology**							
	ECTS	15	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. • 07-6S3PS5-1FM-092: P (no information on SWS (weekly contact hours) and course language available) • 07-6S3PS5-2FM-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 07-6S3PS5-1FM-092:** Scientific project in pharmaceutical biology with main focus on molecular biology (laboratory course) • 13 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-6S3PS5-2FM-092:** Research project in pharmaceutical biology with main focus on molecular biology (seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)						
07-6S3PS6-092-m01	**Research Project in Pharmaceutical Biology with Focus on Molecular Biochemistry**							
	ECTS	15	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. • 07-6S3PS6-1FB-092: P (no information on SWS (weekly contact hours) and course language available) • 07-6S3PS6-2FB-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 07-6S3PS6-1FB-092:** Research project in pharmaceutical biology with focus on biochemistry (laboratory course) • 13 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German, English **Assessment in module component 07-6S3PS6-2FB-092:** Scientific project in pharmaceutical biology with main focus on biochemistry (seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes)						

<table>
<tr><td>03-6S3IM-092-m01</td><td colspan="8">Immunology 3</td></tr>
<tr><td></td><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 03-6S3IM-1IM-092: P (no information on SWS (weekly contact hours) and course language available)
• 03-6S3IM-2IM-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">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 03-6S3IM-1IM-092: Immunology 3 (laboratory course)
• 13 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: English
Assessment in module component 03-6S3IM-2IM-092: Immunology 3 - Seminar on cellular and molecular immunology
• 2 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Language of assessment: English</td></tr>
<tr><td>03-6S3V-L-092-m01</td><td colspan="8">Virology 3</td></tr>
<tr><td></td><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 03-6S3VL-1VL-092: P (no information on SWS (weekly contact hours) and course language available)
• 03-6S3VL-2VL-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">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 03-6S3VL-1VL-092: Virology 3 (laboratory course)
• 13 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: English
Assessment in module component 03-6S3VL-2VL-092: Virology 3 (seminar)
• 2 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Language of assessment: English</td></tr>
<tr><td>03-6S3K-B-092-m01</td><td colspan="8">Clinical Biochemistry /Laboratory Medicine 2</td></tr>
<tr><td></td><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="3">Courses</td><td colspan="5">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="3">Method of assessment</td><td colspan="5">a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)</td></tr>
</table>

<table>
<tr><td>03-6S3P-C-092-m01</td><td colspan="8">Physiological Chemistry 3</td></tr>
<tr><td></td><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)</td></tr>
<tr><td>03-6S3ST-092-m01</td><td colspan="8">Structural Biology 2</td></tr>
<tr><td></td><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 03-6S3ST-1ST-092: S + P (no information on SWS (weekly contact hours) and course language available)
• 03-6S3ST-2ST-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">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 03-6S3ST-1ST-092: Structural biology 2 (seminar and laboratory course) Structural biology 2 (seminar and laboratory course)
• 13 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, winter semester
• Language of assessment: English
Assessment in module component 03-6S3ST-2ST-092: Structural biology 2 (literature seminar)
• 2 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, winter semester
• Language of assessment: English</td></tr>
</table>

03-S63Z-T-092-m01	**Cellular Tumour Biology 2**							
	ECTS	15	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. • 03-S63ZT-1ZT-092: Ü (no information on SWS (weekly contact hours) and course language available) • 03-S63ZT-2ZT-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 03-S63ZT-1ZT-092:** Cellular tumour biology 2 (laboratory course) • 11 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Language of assessment: German or English **Assessment in module component 03-S63ZT-2ZT-092:** Cellular tumour biology 2 (seminar) • 4 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Language of assessment: German, English where required						
03-6S3Z-M-092-m01	**Cellular Molecular Biology 2**							
	ECTS	15	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. • 03-6S3ZM-1ZM-092: Ü (no information on SWS (weekly contact hours) and course language available) • 03-6S3ZM-2ZM-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 03-6S3ZM-1ZM-092:** Cellular molecular biology 2 (laboratory course) • 13 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, winter semester • Language of assessment: German, English **Assessment in module component 03-6S3ZM-2ZM-092:** Cellular molecular biology 2 (seminar) • 2 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, winter semester • Language of assessment: German, English where required						

<table>
<tr><td rowspan="4">03-6S3PH-092-mo1</td><td colspan="8">Physiology</td></tr>
<tr><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="3">Courses</td><td colspan="6">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="3">Method of assessment</td><td colspan="6">a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)</td></tr>
<tr><td rowspan="4">03-6S3KN-092-mo1</td><td colspan="8">Clinical Neurobiology 2</td></tr>
<tr><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="3">Courses</td><td colspan="6">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 03-6S3KN-1KN-092: Ü (no information on SWS (weekly contact hours) and course language available)
• 03-6S3KN-2KN-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="3">Method of assessment</td><td colspan="6">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 03-6S3KN-1KN-092: Clinical neurobiology 2 (laboratory course)
• 13 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Language of assessment: German, English
Assessment in module component 03-6S3KN-2KN-092: Clinical neurobiology 2 (seminar)
• 2 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, winter semester
• Language of assessment: German, English where required</td></tr>
</table>

<table>
<tr><td rowspan="4">07-6S3M-
Z4-092-m01</td><td colspan="8">Specific Biotechnology III</td></tr>
<tr><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 07-6S3MZ4-1BT-092: P (no information on SWS (weekly contact hours) and course language available)
• 07-6S3MZ4-2BT-092: S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">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 07-6S3MZ4-1BT-092: Specific biotechnology 3 (laboratory course)
• 12 ECTS, Method of grading: numerical grade
• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, summer semester
• Language of assessment: German, English
Assessment in module component 07-6S3MZ4-2BT-092: Specific biotechnology 3 (seminar)
• 3 ECTS, Method of grading: (not) successfully completed
• presentation (approx. 20 to 30 minutes)
• Assessment offered: once a year, summer semester</td></tr>
<tr><td rowspan="4">07-6S3M-
Z5-092-m01</td><td colspan="8">Specific Bioinformatics III</td></tr>
<tr><td>ECTS</td><td>15</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td>Courses</td><td colspan="7">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td>Method of assessment</td><td colspan="7">a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of up to 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)</td></tr>
</table>

07-6S3PS1-092-m01	**Specific Aspects in Plant Molecular Biology**							
	ECTS	15	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. • 07-6S3PS1-1MB-092: Ü (no information on SWS (weekly contact hours) and course language available) • 07-6S3PS1-2MB-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 07-6S3PS1-1MB-092:** Specific aspects of plant molecular biology (laboratory course) • 12 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester • Language of assessment: German or English **Assessment in module component 07-6S3PS1-2MB-092:** Specific aspects of plant molecular biology (seminar) • 3 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester						
07-6S3PS2-092-m01	**Protein Chemistry in Biosensorics**							
	ECTS	15	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. • 07-6S3PS2-1BS-092: Ü (no information on SWS (weekly contact hours) and course language available) • 07-6S3PS2-2BS-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 07-6S3PS2-1BS-092:** Protein biochemistry and biosensoric (laboratory course) • 12 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester • Language of assessment: German, English **Assessment in module component 07-6S3PS2-2BS-092:** Protein biochemistry and biosensoric (seminar) • 3 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester						

07-6S3PS3-092-m01	**Experimental biology of membrane transport mechanisms**							
	ECTS	15	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. • 07-6S3PS3-1MT-092: Ü (no information on SWS (weekly contact hours) and course language available) • 07-6S3PS3-2MT-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 07-6S3PS3-1MT-092:** Experimental biology of membrane transport mechanisms (laboratory course) • 12 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester • Language of assessment: German, English **Assessment in module component 07-6S3PS3-2MT-092:** Experimental biology of membrane transport mechanisms (seminar) • 3 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester					
07-6S3PS4-092-m01	**Scientific experimental work in plant ecophysiology**							
	ECTS	15	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. • 07-6S3PS4-1SA-092: Ü + R (no information on SWS (weekly contact hours) and course language available) • 07-6S3PS4-2SA-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 07-6S3PS4-1SA-092:** Scientific experimental work in plant ecophysiology - (practical and project work) Scientific experimental work in plant ecophysiology - (practical and project work) • 14 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester • Language of assessment: German, English **Assessment in module component 07-6S3PS4-2SA-092:** Scientific experimental work in plant ecophysiology - (seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 to 30 minutes) • Assessment offered: once a year, summer semester					

Thesis (10 ECTS credits)								
07-6BT-072-m01	**Bachelorthesis Biology**							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		no courses assigned					
	Method of assessment		written thesis Assessment offered: on a continuous basis after consultation with supervisor and after registration Language of assessment: German or English					
	other prerequisites		Registration for assessment: yes					
Subject-specific Key Skills (15 ECTS credits)								
07-6BK-072-m01	**Final oral examination in Biology**							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		K (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		final colloquium (approx. 30 minutes)					
07-SQF-BGA-092-m01	**Biotechnology and Social Acceptance**							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		term paper or preparing educational materials (5 to 10 pages) and presentation (approx. 20 to 30 minutes), weighted 1:1					
07-SQF-DBP-092-m01	**Data Processing in Plant Sciences**							
	ECTS	2	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		practice work (approx. 45 minutes) and presentation (approx. 15 minutes)					
07-SQF-GHE-092-m01	**Global Acting in globally and locally linked decision processes**							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 10 to 20 pages)					
07-SQF-HVB-092-m01	**Outstanding Publications in Biology**							
	ECTS	2	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 45 minutes)					
07-SQF-PRB-092-m01	**Patents in Biology**							
	ECTS	2	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 20 minutes)					

07-SQF-SAL-092-m01	**Operational Safety in ecophysiological Laboratories**							
	ECTS	1	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. 15 minutes)					
07-SQF-TFB-072-m01	**Supervising Tutorial for Basic Courses**							
	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		preparing materials for exercises including solutions and suggestions for solutions (minimum 30 (complex) questions including answers and/or suggestions for solutions; questions must be formulated in such a way that they can be answered in approx. 0.5 pages each)					
07-SQF-TSB-072-m01	**Supervising Tutorial for Biology**							
	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		preparation of materials for demonstrations and/or exercises to provide information on the degree programme, its focuses and possibilities (preparing a presentation with at least 20 individual slides and/or diagrams providing information on important criteria in relation to the degree programme and the course of studies)					
07-SQF-UBG-092-m01	**Environmental Education in the Botanical Garden of the University**							
	ECTS	2	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		Ü + E (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		term paper or preparing educational materials (5 to 10 pages) and presentation (approx. 20 to 30 minutes), weighted 1:1					
07-SQF-WIP-092-m01	**Publishing Scientific Data**							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		term paper (approx. 5 to 10 pages) and presentation (approx. 15 minutes), weighted 2:1					