Subject-Specific Provisions for the Study Programme Biology with the Degree "Bachelor of Science" (Acquisition of 180 ECTS Points) at the University of Würzburg

Adopted on 12 January 2011

(Reference: http://www.uni-wuerzburg.de/amtl_veroeffentlichungen/2011-3)

As amended in the modification of the by-law of 9 November 2011
(Reference: http://www.uni-wuerzburg.de/amtl_veroeffentlichungen/2011-121)

On the basis of Article 13(1), second sentence in conjunction with Article 58(1) and Article 61(2), first sentence of the Bavarian University and College Act (BayHSchG) of 23 May 2006 (GVBl. p. 245, BayRS 2210-1-1-WFK) as amended, the Julius Maximilian University of Würzburg has enacted the following by-law.

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Preliminary Remark

Individual terms applied in this by-law are carefully defined in the glossary and can be looked up at *http://www.uni-wuerzburg.de/fuer/studierende/schlagwortea-z*.

Part 1: General Provisions

§ 1 Scope

These Subject-Specific Provisions (FSB) supplement the General Study and Examination Regulations for the Bachelor and Master Study Programmes (ASPO) of the Julius Maximilian University of Würzburg (JMU) adopted on 5 August 2009 as amended.

§ 2 Purpose of the Study, Objective of the Examinations

(1) [1]The Bachelor Study Programme Biology is provided by the Faculty of Biology of the JMU as principle-oriented study programme with the degree “Bachelor of Science” (B.Sc.). The degree Bachelor of Science constitutes a first professional qualification.

(2) [1]The purpose of this study programme is to make the student familiar with the basic contents and scientific concepts of the different areas of biology. [2]Beyond that, the students are made familiar with elementary methods of biology and train to apply them. [3]The Bachelor Study Programme Biology fosters the analytic thinking of the students by the processing of practical tasks and scientific issues and hence the comprehension of complex biological mechanisms. [4]By the training of these skills, the student acquires the basic knowledge required for a consecutive Master study programme. [5]As first professional qualification, the Bachelor Study Programme prepares for an occupation in the different areas of biology / natural sciences as well as other disciplines of life sciences and qualifies the student to become engaged as biologist / natural scientist in research institutes, companies, administrations as well as national and international organizations.

(3) By means of the final thesis the students demonstrate that they are able to deal with a task in biology within a limited scale of time and topic under guidance largely independently in particular according to the acquired methods and scientific criteria.

(4) The Bachelor examination is to determine if the candidate makes out the fundamental relationships in biology and demonstrates the ability to deploy the applied scientific methods.

(5) The successfully completed Bachelor examination in accordance with the subject-specific provisions of the respective Master study programmes of the JMU as amended entitles to the purposes of a Master study.

§ 3 Beginning of the Study, Programme Structure, Standard Period of Study

(1) The Bachelor Study Programme Biology can only be set about in the winter term of an academic year.

(2) [1]The study is divided into the following areas and subareas:

Areas resp. Subareas	ECTS points	
Compulsory Area	91	
General Biology I		13
General Biology II		15
General Biology III		24
Mathematics / Quantitative Biology		9
Chemistry		20
Physics		10
Optional Compulsory Area	57	
General Biology IV		7
Biology for Advanced Students		10
Special Biosciences I		5
Special Biosciences II		20
Special Biosciences III		15
Transferable Skills Area	20	
Subject-specific		15-17
General		3-5
Thesis	12	
in total	180	

[2]The assignment of the modules to the individual areas and subareas follows from the study programme description (SFB) that is attached to these subject-specific provisions.

(3) [1]The modules in the optional compulsory area and the area of transferable skills listed in the study programme description and the module respectively sub-module description are not final at this. [2]The examination board is able to authorise further modules to these study-specific provisions in anticipation of a by-law implemented at a later date particularly at the written request of the candidate. [3]As far as the modules and sub-modules are not provided by the Faculty of Biology, § 9 (1), fourth sentence ASPO has to be considered.

(4) The Bachelor Study Programme Biology has a standard period of study of six semesters in which a total of 180 ECTS points has to be acquired.

§ 4 Admission Requirements, Recommended Basic Knowledge

[1]There are no admission requirements except those mentioned in § 5(1) ASPO. [2]However, a good basic knowledge in the scientific-mathematical subjects (A-level) and good English language skills are helpful for a successful study.

§ 5 Modularisation, ECTS

(1) [1]The Bachelor Study Programme is modular. [2]A module comprises one or more courses coordinated in terms of substance and time, their preparation and follow-up as well as the study-associated (rated or unrated) examination performances to achieve in the context of this course.

(2) [1]The overall workload for one module to achieve by the students is described with ECTS points. [2]One ECTS point corresponds to a working time of 25 to 30 hours of an average student.

(3) Further details are found in §§ 7 and 8 ASPO.

§ 6 Basics and Preliminary Examination, Control Examinations

(1) [1]In derogation from § 12(4), sentences 1 and 3 ASPO, the basics and preliminary examination (GOP) in the Bachelor Study Programme Biology is implemented in the following form: [2]The student has to obtain 10 ECTS points from modules or sub-modules of the compulsory or optional compulsory area at the end of the first semester and prove to the examination office. [3]In the event of failure to achieve this requirement, the basics and preliminary examination is not passed for the first time and may be repeated once by the candidate proving 20 ECTS points from modules or sub-modules of the compulsory or optional compulsory area at the end of the second semester to the examination office. [4]If this requirement is not achieved as well, the basics and preliminary examination is finally not passed which leads to a definite failure of the Bachelor Study Programme Biology (acquisition of 180 ECTS points). [5]In terms of exceeding deadlines, § 12(4), second sentence applies.

(2) No further control examinations under § 12(5) ASPO are conducted.

§ 7 Examination Board

[1]In derogation from § 13(1), third sentence ASPO, the examination board is formed of 5 members. [2]It may consult advisory members to its tasks without the right to vote, particularly academic advisors.

§ 8 Recognition of Modules, Periods of Study, Study and Examination Performances

(1) [1]Modules, periods of study, study and examination performances acquired in other study programmes or at other universities are generally recognised by the examination board, except they are not equivalent. [2]Details are to infer from § 17 ASPO. [3]By way of derogation from § 17(4) ASPO, modules and sub-modules may be taken into account up to the overall level of ECTS points to achieve.

(2) [1]There is the possibility to achieve a part of performances mentioned in the Study Programme Description by attending courses of the Virtual University of Bavaria (VHB). [2]If the acquisition of such performances is intended, a consultation of the academic counsel in advance is recommended.

§ 9 Study Programme Description, Study Programme Schedule, Transferable Skills Pool

(1) The modules of the Bachelor Study Programme Biology are mentioned in the Study Programme Description (attachment).

(2) [1]The Faculty of Biology announces the latest module descriptions. [2]By a study programme (SVP), it issues a recommendation on an ideal-typical course of the study.

(3) [1]Within the framework of the subarea of general transferable skills under § 9(4), third sentence ASPO modules listed directly in the Study Programme Description can be selected. [2]In addition, the modules of the pool of general transferable skills provided by the JMU can be selected.

(4) [1]The modules listed in the Study Programme Description and the module respectively sub-module descriptions of the optional compulsory area and in the area of transferable skills are not final at this.

[2]The examination board is able to authorise further modules to these Study-Specific Provisions in anticipation of a by-law implemented at a later date particularly at the written request of the candidate. [3]As far as the modules respectively sub-modules are not provided by the Faculty of Biology, § 9(1), fourth sentence ASPO has to be noted.

§ 10 Language of Instruction

[1]The courses are generally held in the German language. [2]They may be held in the English or another language at the choice of the lecturer in coordination with the module manager if this possibility is laid down in the module description. [3]However, there is no entitlement of the students on this.

Part 2: Implementation of Examinations

§ 11 Study-Associated Examination Procedure

(1) [1]For each module, a study-associated evaluation examination is conducted which has reference to a course or a group of courses. [2]The evaluation examination is effected either by means of a rated examination performance, an unrated study performance or, in exceptional cases, a combination of both performance patterns. [3]Type, length and extent of the evaluation examination are listed for each module in the attached Study Programme Description; details are regulated in the module manual. [4]Further details of the study-associated evaluation examination are laid down in § 7 ASPO.

(2) If the evaluation examination in one module is constituted of several examination performances (for example an interim exam, an exam and an assessment of exercises), or there is a choice between several forms of examination, this is to regulate in the attached study programme description and details are to be announced by the lecturer at the beginning of the course.

(3) [1]The participation in an evaluation examination may in exceptional and duly justified cases be made conditional on the completion of one or more prerequisites. [2]If such prerequisites are necessary for the evaluation examination in one module, this is specified in the Study Programme Description; details are regulated in the module manual.

(4) [1]In accordance with § 22(8) ASPO, written examinations may be conducted in whole or in part in the form of multiple-choice questions. [2]If this type of examination is adopted, this has to be announced to the students in due time. [3]The question-answer catalogue is compiled by at least two examiners for the purpose of § 16(1) ASPO. [4]It has to be determined at it which answers are accepted as correct. [5]The multiple-choice examination part is considered satisfactory,

a) if altogether at least 60 per cent of the questions put are answered correctly or

b) if the number of correct answers amounts to at least 50 per cent and the number of questions answered correctly by the examinee does not come under more than 15 per cent of the average examination performances of the students who participated in the respective examination for the first time.

[6]If the examinee has obtained the required trigger number of questions answered correctly for the completion of the examination pursuant to sentence 5, the mark for the multiple-choice examination part will be

- “Very Good” at a minimum of 75 per cent
- “Good” at a minimum of 50 per cent but less than 75 per cent,
- “Satisfactory” at a minimum of 25 per cent but less than 50 per cent,
- “Sufficient” at less than 25 per cent

of correct answers of the questions asked on top of that. [7]The pass mark, the number of questions and the average of the reference group mentioned in sentence 5(b) are to be announced by display or other adequate means at the notification of the examination results.

(5) [1]The examinations are generally held in the German language. [2]They may be held in in the English or another language at the choice of the lecturer in coordination with the module manager if this possibility is laid down in the attached Study Programme Description. [3]However, there is no entitlement of the students on this.

(6) The evaluation procedure usually shall not exceed four weeks.

§ 12 Application for Examinations

(1) [1]The examination board determines place and date for each examination and announces them by display or appropriate electronic systems. [2]It may delegate this task to the respective module managers. [3]The students have to take heed of the notices and publications in electronic form for themselves. [4]Times of oral or practical examinations may also be determined in coordination with the respective examiner in the specific sense of the teaching unit concerned within the period of time specified by the examination board for example by using the forms provided. [5]The respective requirements are announced in a suitable manner to the students involved. [6]The deadlines for evaluation examinations to be prepared at home like written term papers, research reports, work reports, protocols, reviews and portfolios are announced by the respective lecturer at the latest two weeks after the beginning of the lecture period. [7]If students fail to adhere to this date without due justification (usually sickness, substantiated by a medical certificate), they do not pass the examination.

(2) [1]If the admission to an examination is made conditional on preliminary performances, the attending of the associated courses by the student is regarded as declaration of participation in the examination. [2]If the module managers subsequently note that the preliminary performances postulated were performed, they enforce the essential examination application. [3]The application is generally effected by means of the applied electronic systems as far as a written procedure is conducted in exceptional cases. Students can only apply successfully for an examination if they meet the conditions required. [4]In the absence of application, a participation in the respective examination is excluded respectively the already achieved examination performance is not rated.

§ 13 Evaluation of Examinations

[1]In derogation from § 29(4) ASPO applies: If a module consists of several sub-modules with rated examinations, the module mark is calculated on the basis of the average rating of the sub-modules used weighted according to ECTS points (weighted arithmetic mean). [2]The calculation of marks is measured to one decimal place; all other places are dropped without rounding.

§ 14 Repetition of Examinations

(1) [1]Notwithstanding the provisions of § 32 ASPO, the respective examiners may arrange additional examination dates with the examinees in the event of failure to pass examinations within the frame of the existing capacities in the same semester or at the beginning of the following semester. [2]In doing so, a maximum of one additional date per examination and examinee is permissible, whereby as a rule at least two weeks shall be between both examination dates. [3]There is no entitlement of the students on additional examination dates. [4]The requirements referred to in § 12 are to be complied including within the framework of any additional examination dates.

(2) [1]If the participation in an evaluation examination is made conditional on preliminary performances, a successfully completed preliminary performance enables to participate in evaluation examinations of the respective semester as well as, if the examination is not passed, in evaluation examinations of subsequent semesters. [2]Derogations from this provision are specified in the Study Programme Description.

§ 15 Inspection of Examination Records

(1) [1]Inspection of examination records is granted under § 37 ASPO. [2]The request for inspection has to be submitted by the examinee to the chairman of the examination board within one month after the announcement of the examination results.

(2) [1]The chairman of the examination board decides on place, time and modalities of the inspection in consultation with the examinee. [2]An inspection in the form of a collective date is possible especially in the case of written examinations. [3]The result of an oral examination is announced to the examinee immediately after the examination. [4]In the case of written term papers and similar forms of examination, it may be proceeded as in sentence 2 or a special agreement concerning the inspection may be made.

§ 16 Final Thesis and Colloquium

(1) [1]The final thesis is awarded with 12 ECTS points. [2]The processing takes ten weeks. [3]The issuing is effected by the chairman of the examination board. [4]The topic may only be issued to the examinee at the time when he/she has obtained altogether at least 100 ECTS points from modules or sub-modules of the compulsory or optional compulsory area in the Bachelor Study Programme Biology. [5]Upon motivated request, the examination board may permit exemptions in individual cases. [6]The topic of the thesis has to be agreed with the advisor and submitted with a respective confirmation signed by this side to the examination board. [7]The issuing of the thesis topic may furthermore be made conditional by the advisor on the attestation of the successful participation in these modules respectively sub-modules. [8]The examinee has to keep the attestation of successful participation in these modules respectively sub-modules at the latest at the signing of the confirmation in accordance with sentence 6 towards the advisor. [9]Without attestation, the topic cannot be issued to the examinee. [10]The topic and the award date are placed on record by the examination board. [11]The topic can only be restituted once for justified reasons and with the consent of the examination board during the first third of the processing. [12]The examinee has to submit the thesis to the examination board in due time that this date falls before the end of the deadline of § 12(3) resp. (6) ASPO concerning the fiction of failure to pass for the first time. [13]Further details are regulated in § 23 ASPO.

(2) [1]The thesis may be submitted in German or English language. [2]The thesis must in any case be attached an abstract in the German language. [3]At the filing, in addition to the written form, a copy on an electronic storage medium has to be submitted in an accessible format and a readable form.

(3) [1]If the advisor is a senior member of the JMU but not a member of the Faculty of Biology, the examination board usually appoints this advisor consultant of the thesis. [2]In this case, the examination board is able to appoint a senior member of the Faculty of Biology as second consultant; as a rule, a lecturer or professor shall be assigned at this.

(4) [1]In the event that an external senior advisor contributed to the completion of the final thesis at an institution outside the JMU pursuant of § 23(3), third sentence ASPO as well, the examination board may determine that the external advisor rates the thesis as a consultant. [2]In this case, the examination board appoints a second consultant who has to be senior member of the Faculty of Biology, whereby, as a rule, a lecturer or a professor shall be appointed.

(5) There is no final colloquium.

§ 17 Passing the Bachelor Examination

[1]The Bachelor examination in the Bachelor Study Programme Biology is passed if modules in the scope of at least 180 ECTS points in accordance with the division into areas and sub-areas mentioned in § 3(2), first sentence were passed. [2]In addition, the basics and preliminary examination according to § 6 has to be passed.

§ 18 Calculation of the Cumulative Grade

[1]In each of the sub-areas of the compulsory and optional compulsory area indicated in § 3(2), first sentence the mark is formed of the average ratings of the individual modules weighted according to ECTS points (weighted arithmetic mean). [2]In the area of transferable skills the mark is formed on the basis of the mark of the sub-area of subject-specific transferable skills. [3]The mark for this sub-area is formed through mutatis mutandis application of sentence 1, half-sentence 2, whereby modules provided with numerical ratings in the amount of 10 ECTS points have to be employed; in the event that the examinee has completed modules provided with numerical ratings in the amount of more than 10 ECTS points, § 34(3), sentences 1 to 5 applies mutatis mutandis. [4]In the sub-area of general transferable skills only the necessary ECTS points (at least 3 ECTS points) are to prove. Possible rated examination performances completed are not included in the mark of the specific area. [5]The overall mark is then formed of the following weighting factors determined by the subject mark and the mark of the area of transferable skills.

Area resp. Subarea	ECTS Points		Weighting Factor for	
			Subarea	Area
Compulsory Area	91			91/170
General Biology I		13	13/91	
General Biology II		15	15/91	
General Biology III		24	24/91	
Mathematics / Quantitative Biology		9	9/91	
Chemistry		20	20/91	
Physics		10	10/91	
Optional Compulsory Area	57			57/170
General Biology IV		7	7/57	
Biology for Advanced Students		10	10/57	
Special Biosciences I		5	5/57	
Special Biosciences II		20	20/57	

§ 19 Handing Over of the Bachelor Certificate

[1]Notwithstanding the provisions of § 35 ASPO, the handing over of the Bachelor Certificate may take place to a uniform date at an academic ceremony of the Faculty of Biology. [2]The Faculty Council decides for each semester if an academic ceremony of that kind takes place and possibly determines the date; the decision shall be made at the latest four weeks after the beginning of the lecture period and is to be announced in customary manner.

Part 3: Final Provisions

§ 20 Entry into Force

[1]This by-law enters into force with effect from 1 October 2010. [2]It applies to all students of the Bachelor Study Programme Biology who have taken up or continue their academic study at the JMU according to the provisions of the General Study and Examination Regulations for the Bachelor and Master Study Programmes (ASPO) at the JMU of 5 August 2009 as amended.

The by-law enters into force in the modification of the by-law as amended on 11 November 2011. Its contents for the first time apply to all students who have taken up or continue their study in the Study Programme Biology with the degree "Bachelor of Science" (acquisition of 180 ECTS points) at the University of Würzburg after the entry into force of this by-law.

These provisions have been published bilingual in German and English; however, only the German version is legally binding.

Translation: Roman Peter M.A., November 2012.

Attachment: Description of the Study Programme Biology with the Degree "Bachelor of Science" (Acquisition of 180 ECTS points)

(Responsible: Faculty of Biology, Date: 8 July 2011)

Key: L = lecture, S = seminar, E = exercise, CO = colloquium, T = tutorial, I = internship, P = project, C = "Konversatorium", EX = excursion, T = final thesis; SM = sub-module, C = compulsory, OC = optional compulsory, NUM = numerical marking, P/NB = passed/not passed, EP = examination performance, PP = preliminary performances

Comments: In the case of modules that consist of only one sub-module with the same name only the modules are indicated; the abbreviation is then added /-1. In the case of one sub-module consisting of several examination performances these examination performances have the same weighting in the calculation of the sub-module mark, except where a regulation of the respective sub-module deviating from this is established in this Study Programme Description. Except where otherwise indicated, the **examination language** is German. Except where otherwise indicated, the **examination cycle** is semester-based.

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
Compulsory Area: 91 ECTS Points											
MODULE AREA „GENERAL BIOLOGY I": 13 ECTS											
07-1A1ZO	**2010-WS**	**Von der Zelle zum Organismus** **From Cells to Organisms**		13	1						
07-1A1ZO-1Z	2007-WS	Die Zelle Structure and Function of Cells	L+E	4	1		NUM	Exam (ca. 60 min), also multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
07-1A1ZO-2E	2010-WS	Evolution Evolution- Basics and Principles	L+E	1	1		P/NP	Exam (ca. 30 min), also multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
07-1A1ZO-3P	2007-WS	Das Pflanzenreich	L+E	4	1		NUM	Exam (ca. 60 min)			PP: regular participation in tutorials and passing of exercises [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
		The Plant Kingdom									
07-1A1ZO-4T	2007-WS	Das Tierreich The Animal Kingdom	L+E	4	1		NUM	Exam (ca. 60 min)			PP: regular participation in tutorials and passing of exercises [1]
MODULE AREA „GENERAL BIOLOGY II“: 15 ECTS											
07-2A2PH	**2007-WS**	**Physiologie der Organismen** **Physiology of Organisms**		**9**	**1**						
07-2A2PH-1PR	2007-WS	Grundlagen der Physiologie von Prokaryoten Basic Physiology of Prokaryotes	L+E	3	1		NUM	Exam (ca. 60 min), also multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
07-2A2PH-2PF	2007-WS	Pflanzenphysiologie Basic Physiology of Plants	L+E	3	1		NUM	Exam (ca. 45 min)			PP: regular participation in tutorials and passing of exercises [1]
07-2A2PH-3TI	2007-WS	Tierphysiologie Basic Physiology of Animals	L+E	3	1		NUM	Exam (ca. 60 min), word problems and/or multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
07-2A2GNV	**2007-WS**	**Genetik, Neurobiologie, Verhalten** **Genetics, Neurobiology, Behaviour**		6	1						
07-2A2GNV-1G	2007-WS	Einführung in die Genetik Basic Genetics	L+E	2	1		NUM	Exam (ca. 30 min)			PP: regular participation in tutorials and passing of exercises [1]
07-2A2GNV-2N	2007-WS	Einführung in die Neurobiologie Basic Neurobiology	L+E	2	1		NUM	Exam (ca. 30 min)			PP: regular participation in tutorials and passing of exercises [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-2A2GNV-3V	2007-WS	Allgemeine Verhaltensbiologie Introductory Course Behavioural Biology	L+E	2	1		NUM	Exam (ca. 30 min), word problems and/or multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
MODULE AREA „GENERAL BIOLOGY III“: 24 ECTS											
07-3A3EBIO	**2010-WS**	**Entwicklungsbiologie der Pflanzen und Tiere** **Developmental Biology of Plants and Animals**		8	1						
07-3A3EBIO-1	2010-WS	Entwicklungsbiologie der Tiere Developmental Biology of Animals	L+E	4	1		NUM	Exam (ca. 30- 60 min), also multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
07-3A3EBIO-2	2010-WS	Entwicklungsbiologie der Pflanzen Developmental Biology of Plants	L+E	4	1		NUM	Exam (ca. 30- 60 min), also multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
07-3A3OE	**2010-WS**	**Ökologie der Pflanzen und Tiere** **Plant and Animal Ecology**		6	1						
07-3A3OE-1	2010-WS	Tierökologie Animal Ecology	L+E	3	1	Only applies to ASQ-Pool: **15 (lot)**	NUM	Exam (ca. 45 min)			PP: regular participation in tutorials and passing of exercises [1]
07-3A3OE-2	2010-WS	Pflanzenökologie Plant Ecology	L+E	3	1	Only applies to ASQ-Pool: **15 (lot)**	NUM	Exam (ca. 45 min)			PP: regular participation in tutorials and passing of exercises [1]
07-3A3GMT	**2010-WS**	**Gene, Moleküle, Technologien** **Genes, Molecules, Technologies**		6	1						

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-3A3GMT-1	2010-WS	Genetik Genetics	L	1,5	1		NUM	Exam (ca. 30 min), also multiple choice questions			
07-3A3GMT-2	2010-WS	Bioinformatik Bioinformatics	L	1,5	1		NUM	Exam (ca. 30 min), also multiple choice questions			
07-3A3GMT-3	2010-WS	Biotechnologie Biotechnology	L	1,5	1		NUM	Exam (ca. 30 min), also multiple choice questions			
07-3A3GMT-4	2010-WS	Pharmakokinetik Pharmaceutical Biology and Introduction into Pharmacokinetics	L	1,5	1		NUM	Exam (ca. 30 min), also multiple choice questions			
07-3A3BC	**2010-WS**	**Prinzipien der Biochemie** **Principles of Biochemistry**		4	1						
07-3A3BC-1	2010-WS	Grundlagen der Biochemie Basic Biochemistry	L+E	4	1		NUM	Exam (ca. 30-60 min), also multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
MODULE AREA „MATHEMATICS/QUANTITATIVE BIOLOGY“: 9 ECTS											
10-M-MCB/-1	**2010-WS**	**Mathematik für das Studienfeld Biologie und Chemie** **Mathematics for students in Chemistry and Biology**	L+E	5	1		NUM	Exam (ca. 90-120 min)			Application for tutorials and examination as well as preliminary performances [4]
07-2BM	**2007-WS**	**Mathematische Biologie und Biostatistik** **Mathematical Biology and Biostatistics**		4	1						

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-2BM-1BM	2007-WS	Einführung in die mathematische Biologie und Biostatistik Introduction into Mathematical Biology and Biostatistics	L+E	4	1		NUM	Exam (ca. 45 min), also multiple choice questions			PP: regular participation in tutorials and passing of exercises [1]
MODULE AREA „CHEMISTRY“: 20 ECTS											
08-AC-Bio	**2010-WS**	**Anorganische Chemie für Studierende der Biologie** **Inorganic Chemistry for Biology Majors**		5	2						
08-AC-NF-1	2010-WS	Allgemeine und Anorganische Chemie für Studierende der Medizin, Zahnmedizin und Biologie Introduction to Inorganic Chemistry for Students of Biology, Medicine and Dentistry	L	3	1	Only applies to ASQ-Pool: **15 (lot)**	NUM	Exam (ca. 60 min)			
08-AC-Bio-2	2007-WS	Anorganisch-chemisches Praktikum für Studierende der Biologie Chemistry Lab for Biology Majors	I	2	1		P/NP	Pre-attestations, rating of practical performances, post-attestations; attestations each ca. 15 min; protocol: ca. 5-10 pp.		08-AC-NF-1	Examination cycle: annual, WS
08-OC-Bio	**2010-WS**	**Organische Chemie für Studierende der Biologie** **Organic Chemistry for students of biology**		10	2						
08-IOC -1	2010-WS	Organische Chemie für Studierende der Medizin, Biomedizin, Zahnmedizin, Ingenieur- und Naturwissenschaften	L	3	1	Only applies to ASQ-Pool: **15 (lot)**	NUM	Exam (ca. 60 min)			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
		Organic Chemistry for students of medicine, biomedicine, dental medicine, engineering and natural science									
08-OC-Bio-2	2010 -WS	Organische Chemie 2 für Studierende der Biologie Organic Chemistry 2 for students of biology	L	4	1		NUM	a) 1-3 exams (if 1 exam: ca. 90 min, 2 exams: each 60 or 90 min, 3 exams: each 60 min) or b) Oral individual exam (ca.20 min) or c) Oral group exam (ca. 30 min.)			
08-OC-Bio-3	2007-WS	Organisch-chemisches Praktikum für Studierende der Biologie Chemistry - laboratory course for students of biology	I	3	1		P/NP	Pre-attestations, rating of practical performances, post-attestations; attestations each ca. 15 min; protocol: ca. 5-10 pp.		08-IOC-1	Examination cycle: annual, WS
08-PC-Bio	**2010-WS**	**Physikalische Chemie für Studierende der Biologie und Lebensmittelchemie** **Physical Chemistry for Biology Majors**		5	1						
08-PC-Bio-1	2010-WS	Thermodynamik, Kinetik, Elektrochemie für Studierende der Biologie und Lebensmittelchemie Thermodynamics, Kinetics, Electrochemistry (lecture)	L+E	4	1	Only applies to ASQ-Pool: **15 (lot)**	NUM	Exam (ca. 60 min)			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
08-PC-Bio-2	2007-WS	Physikalisch-chemisches Praktikum für Studierende der Biologie und Lebensmittelchemie Physical Chemistry (lecture and lab)	I	1	1		P/NP	Pre-attestations, rating of practical performances, post-attestations; attestations each ca. 15 min; protocol: ca. 5-10 pp.			Examination cycle: annual, WS
MODUL AREA „PHYSICS“: 10 ECTS											
11-EFNF	**2007-WS**	**Einführung in die Physik für Studierende eines physikfernen Nebenfachs** **Introduction to Physics for Students of Non-physics-related Minor Subjects**		7	2						
11-EFNF-1	2007-WS	Einführung in die Physik 1 und 2 für Studierende eines physikfernen Nebenfachs Introduction to Physics 1 and 2 for Students of Non-physics-related Minor Subjects	L+L	7	2		NUM	Exam (ca. 120 min)			
11-PFNF	**2007-WS**	**Physikalisches Nebenfachpraktikum für Studierende eines physikfernen Nebenfachs** **Practical Course Physics for Students of Non-physics-related Minor Subjects**		3	1						
11-PFNF-1P	2007-WS	Physikalisches Praktikum 1 für Studierende eines physikfernen Nebenfachs Practical Course Physics 1 for Students of Non-physics-related Minor Subjects	I	3	1		P/NP	Oral exam during the experiment (ca. 15 min) und exam (ca. 90 min)			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
Optional Compulsory Area: 57 ECTS Points											
MODULE AREA „GENERAL BIOLOGY IV“: 7 ECTS											
07-4A4FL	**2010-WS**	**Einheimische Flora** **The Flora of Germany**		**7**	**1**						
07-4A4FL-1	2010-WS	Einführung in die einheimische Flora Introduction to the Flora of Germany	L+E	4	1	180 yes[ii]	NUM	Exam (ca. 45 min) and practical assignment (ca. 45 min), weighting 1:1			PP: regular participation in tutorials and passing of exercises, especially construction of a herbarium [1] Examination cycle: annual, SS
07-4A4FL-2	2010-WS	Exkursionen zur einheimischen Flora Field Excursions on the Flora of Germany	EX	3	1	180 yes[ii]	P/NP	Protocol (ca. 1-2 pages) per excursion			Examination cycle: annual, SS
07-4A4FA	**2010-WS**	**Einheimische Fauna** **The Fauna of Germany**		7	1						
07-4A4FA-1	2010-WS	Einführung in die einheimische Fauna Introduction to the Fauna of Germany	L+E	4	1	180 yes[ii]	NUM	Exam (ca. 45 min) and practical assignment (ca. 45 min), weighting 1:1			PP: regular participation in tutorials and passing of exercises, especially construction of a herbarium [1] Examination cycle: annual, SS
07-4A4FA-2	2010-WS	Exkursionen zur einheimischen Fauna Field Excursions on the Fauna of Germany	EX	3	1	180 yes[ii]	P/NP	Protocol (ca. 1-2 pp.) per excursion			Examination cycle: annual, SS

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
MODULE AREA „BIOLOGY FOR ADVANCED STUDENTS“: 10 ECTS											
07-4BFNVO1/-1	**2010-WS**	**Neurobiologie für Fortgeschrittene** **Neurobiology for advanced students**	L+E	5	1	40 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFNVO2/-1	**2010-WS**	**Verhaltensphysiologie** **Behavioral Physiology**	L+E	5	1	36 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFNVO3/-1	**2010-WS**	**Grundlagen der Tierökologie** **Basic Animal Ecology**	L+E	5	1	40 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFMZ1/-1	**2010-WS**	**Zell- und Entwicklungsbiologie für Fortgeschrittene** **Cell- and Developmental Biology for advanced students**	L+E	5	1	32 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFMZ3/-1	**2010-WS**	**Mikrobiologie für Fortgeschrittene** **Microbiology for advanced students**	L+E	5	1	40 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFMZ4/-1	**2010-WS**	**Bioinformatik für Fortgeschrittene** **Bioinformatics for advanced students**	L+E	5	1	40 yes [2]	NUM	Protocol (ca. 10-20 pp.)	German or English		PP: regular participation in tutorials and passing of exercises [1]
07-4BFMZ5/-1	**2011-WS**	**Biotechnologie 1** **Biotechnology 1**	E+L	5	1	24 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
~~07-4BFMZ5-1~~	~~2010-WS~~	~~Biotechnologie 1 Praktikum~~ ~~Biotechnology 1 (practical course)~~	~~P~~	~~4~~	~~1~~	~~24~~ ~~ja~~ [2]	~~NUM~~	~~Protokoll (ca. 10-20 S.)~~			~~VL: Regelmäßige Teilnahme am Praktikum~~ [1]
~~07-~~	~~2010-WS~~	~~Biotechnologie 1 Seminar~~	~~S~~	~~1~~	~~1~~	~~24~~	~~B/NB~~	~~Referat (ca. 20-30 Min.)~~			~~VL: Regelmäßige~~

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
~~4BFMZ5-2~~		~~Seminar Biotechnology 1~~				~~ja~~ [2]					~~Teilnahme am Seminar und Bestehen dort gestellter Übungsaufgaben~~ [1]
07-4BFPS1/-1	**2010-WS**	**Molekulare Physiologie für Fortgeschrittene** **Molecular Physiology for Advanced Students**	L+E	5	1	16 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFPS2/-1	**2010-WS**	**Membranbiologie der Pflanzen für Fortgeschrittene** **Membrane biology of Plants for Advanced Students**	L+E	5	1	16 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFPS3/-1	**2010-WS**	**Proteinbiochemie und Photobiologie für Fortgeschrittene** **Protein Biochemistry and Photobiology for Advanced Students**	L+E	5	1	16 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFPS4/-1	**2010-WS**	**Grundlagen der Ökophysiologie der Pflanzen** **Basic Plant Ecophysiology**	L+E	5	1	48 yes [2]	NUM	Exam (ca. 60 min)			PP: regular participation in tutorials and passing of exercises [1]
07-4BFPS5/-1	**2011-WS**	**Pharmazeutische Bioanalytik** **Pharmaceutical Bioanalytics**	E+L	5	1	16 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4BFPS6/-1	**2011-WS**	**Pharmazeutische Biotechnology** **Pharmaceutical Biotechnology**	E+L	5	1	16 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
MODULE AREA „SPECIAL BIOSCIENCES I“: 5 ECTS											
07-4S1NVO1/-1	**2011-WS**	**Neurobiologie 1** **Neurobiology 1**	E+S	5	1	20 yes[ii]	NUM	EP: [iii]			PP: Regular attendance of internship [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-4S1NVO2/-1	**2010-WS**	**Integrative Verhaltensbiologie** **Aspects of Integrative Behavioral Biology**	L+S	5	1	20 yes[ii]	NUM	EP: [iii]			PP: regular participation in the seminar and passing of exercises [1]
07-4S1NVO3/-1	**2009-WS**	**Funktionsmorphologie der Arthropoden** **Functional Morphology of Arthropods**	L+E	5	1	20 yes[ii]	NUM	Term paper (ca. 5-10 pp.)			PP: regular participation in tutorials and passing of exercises [1]
07-4S1NVO5/-1	**2009-WS**	**Grundlagen der Populationsökologie** **Basic Population Ecology**	E+S	5	1	15 yes[1]	NUM	EP: [3]		.	PP: regular participation in tutorials and passing of exercises [1]
07-4S1MZ1/-1	**2010-WS**	**Mikroskopie** **Basics in Light- and Electron-Microscopy**	L+E	5	1	18 yes[ii]	NUM	Exam (ca. 30-60 min)			PP: regular participation in tutorials and passing of exercises [1]
07-4S1MZ2/-1	**2010-WS**	**Chromosomen** **Analysis of Chromosomes**	L+E	5	1	18 yes[ii]	NUM	Exam (ca. 30-60 min)		.	PP: regular participation in tutorials and passing of exercises [1]
07-4S1MZ3	**2009-WS**	**Ökologie und Entwicklungsbiologie mariner Organismen** **Ecology and Developmental Biology of Marine Organisms**		5	1						

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-4S1MZ3-MO	2009-WS	Meeresbiologische Übungen Marine Biology (practical course and field excursion)	E+EX	4	1	18 yes [ii]	NUM	Protocol (ca. 10-20 pp.)			PP: regular participation in tutorials and passing of exercises [1]
07-4S1MZ3-2MO	2009-WS	Meeresbiologisches Seminar Seminar on Marine Biology	S	1	1	18 yes [2]	P/NP	Presentation (ca. 20-30 min)			Examination cycle: annual, SS
07-4S1MZ4	**2010-WS**	**Apparative Methoden der Biotechnologie** **Methods in Biotechnology**		5	1						
07-4S1MZ4-1	2010-WS	Methoden der Biotechnologie Methods in Biotechnology (lecture)	L	3	1	25 yes [ii]	NUM	Exam (ca. 30 min)			
07-4S1MZ4-2	2010-WS	Seminar Methoden der Biotechnologie Methods in Biotechnology - Seminar	S	2	1	25 yes [ii]	P/NP	Presentation (ca. 15-20 min)			
07-4S1MZ5	**2010-WS**	**Molekulare Biotechnologie** **Aspects of molecular Biotechnology**		5	1						
07-4S1MZ5-1	2010-WS	Aspekte der Molekularen Biotechnologie Aspects of molecular Biotechnology	L	3	1	25 yes [ii]	NUM	Exam (ca. 30 min)			
07-4S1MZ5-2	2010-WS	Seminar Molekulare Biotechnologie Molecular Biotechnology - Seminar	S	2	1	25 yes [ii]	P/NP	Presentation (ca. 15-20 min)			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-4S1MZ6/-1	**2010-WS**	**Spezielle Bioinformatik 1** **Special Bioinformatics 1**	L+E	5	1	20 yes[2]	NUM	Protocol (ca. 10-20pp..)	German or English		PP: regular participation in tutorials and passing of exercises [1]
07-4S1MZ7/-1	**2010-WS**	**Spezielle Zell- und Entwicklungs-biologie 1** **Specific Cell- and Developmental Biology 1**	L+E	5	1	40 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-4S1MZ8/-1	**2010-WS**	**Spezielle Methoden der Proteinbi-ochemie und Zellbiologie** **Specific Methods in Proteinbio-chemistry and Cell Biology**	L+E	5	1	20 yes [2]	NUM	EP:[3]			PP: regular participation in tutorials and passing of exercises [1]
07-4S1PS1/-1	**2010-WS**	**Molekulares Modelling - Von der DNA zum Protein** **Molecular modelling – From DNA to protein**	L+E	5	1	18 yes [ii]	NUM	Practical exam with EDP-application (ca. 6 Stunden)			PP: regular participation in tutorials and passing of exercises
07-4S1PS2/-1	**2010-WS**	**Methoden der Ökophysiologie der Pflanzen** **Methods in Plant Ecophysiology**	E+S	5	1	15 yes [ii]	NUM	Protocol (ca. 10-20 pp.)		.	PP: regular participation in tutorials and passing of exercises [1]
07-4S1PS3/-1	**2010-WS**	**Pflanzliche Drogen** **Pharmaceutical Drugs in Plants**	E+S	5	1	15 yes [ii]	NUM	EP: [iii]		.	PP: regular participation in tutorials and passing of exercises [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-4S1PS4/-1	**2010-WS**	**Grundlegende Methoden der Pharmazeutischen Biologie** **Basic Methods in Pharmaceutical Biology**	E+S	5	1	6 yes [ii]	NUM	EP: [iii]		.	PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-4S1IM	**2010-WS**	**Immunologie 1** **Immunology 1**		5	1						
03-4S1IM-1	2010-WS	Einführung in die Immunologie Basic Immunology	E+Ü	2	1	16 yes[ii]	NUM	Exam (ca. 30 min)	German (if required English)		PP: regular participation in tutorials and passing of exercises [1]
03-4S1IM-2	2010-WS	Immunologisches Praktikum Immunology Practical Course	E	3	1	16 yes[ii]	P/NP	~~Referat (ca. 20-30 Min.)~~ Protocol (ca. 10-20 pp.)	German (if required English)		PP: regular participation in tutorials [1] Examination cycle: annual, SS
03-4S1VL	**2010-WS**	**Virologie 1** **Basic Virology 1**		5	1						
03-4S1VL-1	2011-WS	Allgemeine Virologie Basic Virology	L+S	2	1	18 yes [ii]	NUM	EP: [iii]	German (if required English)		
03-4S1VL-3	2011-WS	Virologie Praktikum 1 Virology-Practical Course	I	3	1	18 yes [2]	P/NP	EP: [iii]	German/English	03-4S1VL-1VL and 03-4S1VL-2VL	PP: Regular attendance of internship [1]
03-4S1PC	**2010-WS**	**Physiologische Chemie 1** **Physiological Chemistry 1**		5	1						

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
03-4S1PC-1	2010-WS	Entwicklungsbiochemie Developmental Biochemistry	L+E	5	1	16 yes [2]	NUM	Exam (ca. 60 min)	German (if required English)		PP: regular participation in tutorials and passing of exercises [1]
03-4S1HG	**2010-WS**	**Humangenetik** **Human Genetics**		5	1						
03-4S1HG-1	2010-WS	Humanzytogenetik Human Cytogenetics	L+E	3	1	15 yes [2]	NUM	Exam (ca. 20 min)			PP: regular participation in tutorials and passing of exercises [1]
03-4S1HG-2HZ	2009-WS	Seminar Humanzytogenetik Seminar Human Cytogenetics	S	2	1	15 yes [2]	P/NP	Presentation (ca. 20-30 min)			
08-BCB/-1	**2007-WS**	**Biochemie für Studierende der Biologie** **Biochemistry for Students in Biology**	2L+2E	6	2		NUM	Exam (ca. 90 min)			
08-BCPB/-1	**2007-WS**	**Biochemisches Praktikum für Studierende der Biologie** **Biochemical Practical Course for Students in Biology**	I	5	1	24/ Group	P/NP	Pre-attestations, rating of practical performances, post-attestations; attestations each ca. 15 min; protocol: ca. 5-10 pp.			Examination cycle: annual, SS
07-S1-LP1/-1	**2010-WS**	**Semesterbegleitendes Laborpraktikum I** **Laboratory practical course I**	I	5	1		NUM	EP: [iii]			PP: Regular attendance of internship [1] ; consultation with academic advisor prior to beginning

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-S1-Ex1/-1	**2010-WS**	**Exkursion I** **Excursion I**	EX	5	1		NUM	EP: [iii]			PP: Regular attendance of excursion [1]; consultation with academic advisor prior to beginning
07-S1-IP1/-1	**2010-WS**	**Interdisziplinäre Projektarbeit I** **Interdisciplinary Project I**	P	5	1		NUM	EP: [iii]			PP: regular participation in project [1]; consultation with academic advisor prior to beginning
MODULE AREA „SPECIAL BIOSCIENCES II“: 20 ECTS											
07-5S2NVO1/-1	**2010-WS**	**Neurobiologie 2** **Neurobiology 2**	L+E	10	1	20 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-5S2NVO2/-1	**2010-WS**	**Integrative Verhaltensbiologie 2** **Integrative Behavioural Biology 2**	L+E	10	1	18 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-5S2NVO3/-1	**2010-WS**	**Tierökologie 2** **Animal Ecology 2**	E+L+S	10	1	20 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5S2MZ1/-1	**2010-WS**	**Spezielle Zell- und Entwicklungsbiologie 2** **Specific Cell- and Developmental Biology 2**	E+S	10	1	20 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5S2MZ2/-1	**2010-WS**	**Spezielle Mikrobiologie 2**	E+S	10	1	30 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
		Specific Microbiology 2									
07-5S2MZ3/-1	**2010-WS**	**Spezielle Bioinformatik 2** **Specific Bioinformatics 2**	L+E	10	1	16 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and passing of exercises [1]
07-5S2MZ4/-1	**2010-WS**	**Spezielle Biotechnologie 2** **Specific Biotechnology 2**	E+S	10	1	18 yes [2]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5S2PS1/-1	**2010-WS**	**Spezielle Membranbiologie der Pflanzen 2** **Specific Membranebiology of Plants 2**	E+S	10	1	5 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5S2PS2/-1	**2010-WS**	**Spezielle molekulare Physiologie der Pflanzen 2** **Specific Molecular Physiology of Plants 2**	E+S	10	1	5 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5S2PS3/-1	**2010-WS**	**Biosensorik** **Analysis of Biosensors**	E+S	10	1	5 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5S2PS4/-1	**2010-WS**	**Spezielle Ökophysiologie der Pflanzen** **Advanced Plant Ecophysiology**	E+S	10	1	15 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5S2PS5/-1	**2010-WS**	**Spezielle Methoden der pharmazeutischen Biologie mit Schwerpunkt Molekularbiologie oder molekulare Biochemie**	E+S	10	1	10 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
		Molecular Biological Methods in Pharmaceutical Biology									
03-5S2IM/-1	**2010-WS**	**Immunologie 2** **Immunology 2**	I	10	1	3 yes [ii]	NUM	EP: [iii]			PP: Regular attendance of internship [1]
03-5S2VL/-1	**2010-WS**	**Virologie 2** **Virology 2**	L+S+P	10	1	3 yes [ii]	NUM	EP: [iii]			PP: Regular attendance of seminar and internship [1]
03-5S2PC/-1	**2010-WS**	**Physiologische Chemie 2** **Physiological Chemistry 2**	E+S	10	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-5S2KB/-1	**2010-WS**	**Klinische Biochemie 1 / Laboratoriumsmedizin** **Clinical Biochemistry 1 / Laboratory Medicine**	E+S	10	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-5S2ST/-1	**2010-WS**	**Strukturbiologie 2** **Structural Biology 2**	E+S	10	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-5S2ZT/-1	**2010-WS**	**Zelluläre Tumorbiologie 2** **Cellular Tumorbiology 2**	E+S	10	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-5S2ZM/-1	**2010-WS**	**Zelluläre Molekularbiologie 2** **Molecular Biology of Cells 2**	E+S	10	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
03-5S2TE/-1	**2010-WS**	**Tissue engineering 2** **Tissue engineering 2**	E+S	10	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-5S2KN/-1	**2010-WS**	**Klinische Neurobiologie 2** **Clinical Neurobiology 2**	E+S	10	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-5EP/-1	**2010-WS**	**Externes Praktikum** **External Practical Course**	I	10	1		NUM	EP: [iii]			PP: Regular attendance of internship [1]; consultation with academic advisor prior to beginning
07-S2-EX2/-1	**2010-WS**	**Exkursion II** **Excursion II**	EX	10	1		NUM	EP: [iii]			PP: Regular attendance of excursion [1]; consultation with academic advisor prior to beginning
07-S2-IP2/-1	**2010-WS**	**Interdisziplinäre Projektarbeit II** **Interdisciplinary Project II**	P	10	1		NUM	EP: [iii]			PP: Regular attendance of project [1]; consultation with academic advisor prior to beginning
07-S2-LP2/-1	**2010-WS**	**Semesterbegleitendes Laborpraktikum II** **Laboratory Practical Course II**	I	10	1		NUM	EP: [iii]			PP: Regular attendance of internship [1]; consultation with academic advisor prior to beginning
07-5AP/-1	**2010-WS**	**Auslandspraktikum** **Practical Course as Exchange Student**	I	10	1		NUM	EP: [iii]			PP: Regular attendance of internship [1]; consultation with academic advisor prior to beginning

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
MODULE AREA „SPECIAL BIOSCIENCES III“: 15 ECTS											
07-6S3NVO1/-1	**2010-WS**	**Neurobiologie 3** **Neurobiology 3**	E+S	15	1	16 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3NVO2/-1	**2010-WS**	**Integrative Verhaltensbiologie 3** **Integrative Behavioural Biology 3**	E+S	15	1	18 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3NVO3	**2010-WS**	**Tierökologie 3** **Animal Ecology 3**		15	1						The sub-module 07-6S3NVO3-1 is obligatory. From the remaining sub-modules one has to be chosen.
07-6S3NVO3-1	2010-WS	Spezielle Tierökologie 3 Advanced Animal Ecology 3	E+S	10	1	20 yes [ii]	NUM	Protocol (ca. 10-30 pp.)			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3NVO3-2	2010-WS	Modellierung in der Ökologie Ecological Modelling	L+E+S	5	1	20 yes [ii]	NUM	Exam (ca. 30-60 min) oder Protocol (ca. 10-30 pp.)		.	PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3NVO3-3	2010-WS	Naturschutzbiologie Nature Conservation Biology	L+S+EX	5	1	20 yes [ii]	NUM	Presentation (ca. 20-45 min)			PP: regular participation in seminar as well as passing of exercises [1]
07-6S3NVO3-4	2010-WS	Tropenbiologie Tropical Biology	L+S	5	1	20 yes [ii]	NUM	Exam (ca. 30-60 min)			PP: regular participation in seminar as well as passing of exercises [1]

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07-6S3MZ1/-1	**2010-WS**	**Spezielle Zell- und Entwicklungsbiologie 3** **Specific Cell- and Developmental Biology 3**	E+S	15	1	20 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3MZ3/-1	**2010-WS**	**Spezielle Mikrobiologie 3** **Specific Microbiology 3**	E+S	15	1	25 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3MZ4/-1	**2010-WS**	**Spezielle Biotechnologie 3** **Specific Biotechnology 3**	E+S	15	1	18 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3MZ5/-1	**2010-WS**	**Spezielle Bioinformatik 3** **Specific Bioinformatics 3**	E+S	15	1	18 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3PS1/-1	**2010-WS**	**Spezielle molekulare Physiologie der Pflanzen 3** **Specific molecular Physiology of Plants 3**	E+S	15	1	5 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3PS2/-1	**2010-WS**	**Strukturelle und funktionelle Analyse von Biosensoren 3** **Structural an functional Analysis of Biosensors 3**	E+S	15	1	5 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]

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07-6S3PS3/-1	**2010-WS**	**Spezielle Membranbiologie der Pflanzen 3** **Specific Membrane Biology of Plants 3**	E+S	15	1	5 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3PS4/-1	**2010-WS**	**Wissenschaftliches Arbeiten in der Ökophysiologie der Pflanzen** **Scientific Work in Plant Ecophysiology**	E+P+S	15	1	15 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3PS5/-1	**2010-WS**	**Forschungsprojekt Pharmazeutische Biologie - Schwerpunkt Molekularbiologie 3** **Research Project in Pharmaceutical Biology with Focus on Molecular Biology**	E+S	15	1	8 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-6S3PS6/-1	**2010-WS**	**Forschungsprojekt Pharmazeutische Biologie – Schwerpunkt molekulare Biochemie 3** **Research Project in Pharmaceutical Biology with Focus on Molecular Biochemistry**	E+S	15	1	8 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3IM/-1	**2010-WS**	**Immunologie 3** **Immunology 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3VL/-1	**2010-WS**	**Virologie 3** **Virology 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]

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03-6S3KB/-1	**2010-WS**	**Klinische Biochemie 3 / Laboratoriumsmedizin** **Clinical Biochemistry 3 / Laboratory Medicine**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3PC/-1	**2010-WS**	**Physiologische Chemie 3** **Physiological Chemistry 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3ST/-1	**2010-WS**	**Strukturbiologie 3** **Structural Biology 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3ZT/-1	**2010-WS**	**Zelluläre Tumorbiologie 3** **Cellular Tumorbiology 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3ZM/-1	**2010-WS**	**Zelluläre Molekularbiologie 3** **Cellular Molecular Biology 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3PH/-1	**2010-WS**	**Physiologie** **Physiology**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
03-6S3TE/-1	**2010-WS**	**Klinische Neurobiologie 3** **Clinical Neurobiology 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
03-6S3KN/-1	**2010-WS**	**Tissue engineering 3** **Tissue engineering 3**	E+S	15	1	3 yes [ii]	NUM	EP: [iii]			PP: regular participation in tutorials and seminar as well as passing of exercises [1]
07-S3-Ex3/-1	**2010-WS**	**Exkursion III** **Excursion III**	EX	15	1		NUM	EP: [iii]			PP: Regular attendance of excursion [1]; consultation with academic advisor prior to beginning
07-S3-IP3/-1	**2010-WS**	**Interdisziplinäre Projektarbeit III** **Interdisciplinary Project III**	P	15	1		NUM	EP: [iii]			PP: Regular attendance of project [1]; consultation with academic advisor prior to beginning
07-S3-LP3/-1	**2010-WS**	**Semesterbegleitendes Laborpraktikum III** **Laboratory Practical Course III**	I	15	1		NUM	EP: [iii]			PP: Regular attendance of internship [1]; consultation with academic advisor prior to beginning
TRANSFERABLE SKILLS: 20 ECTS POINTS											
„SUBJECT-SPECIFIC TRANSFERABLE SKILLS“, 15-17 ECTS											
07-SQF-PBD/-1	**2010-WS**	**Prinzipien der Bilddatenverarbeitung** **Principles of Image Data Processing**	L+E	2	1	20 yes [ii]	P/NP	Exam or practical exam (ca. 30 min)			
07-SQF-GSA/-1	**2010-WS**	**Grundlagen der Systemadministration** **Basics in System Adminstration**	L+E	2	1	20 yes [ii]	P/NP	Exam or practical exam (ca. 30 min)			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-SQF-CTA/-1	**2010-WS**	**Einfache Computertools für die molekularbiologische Analyse** **Computertools for Molecular Biology**	L+E	2	1	20 yes [ii]	P/NP	Exam or practical exam (ca. 30 min)			
07-SQF-EDV/-1	**2010-WS**	**EDV-Grundlagen** **Basic Data Processing**	E	3	1		NUM	EP: [iii]			
07-SQF-OSB/-1	**2010-WS**	**Organisation und Sicherheit in den Biowissenschaften** **Organisation and Safety in Biosciences**	L+S	5	1	15 yes [ii]	NUM	a) Exam (ca. 30-60 min) und b) Presentation (ca.10 min) or term paper (ca. 5-10 pp.)			
07-SQF-GGL	**2010-WS**	**Grundregeln und Grundwissen für die Laborarbeit** **Basic Principles for Laboratory Work**	L+E	3	1	50 yes [ii]	NUM	Exam or practical exam (ca. 20 min)			
07-SQF-GXP/-1	**2010-WS**	**Gute Praxis in Labor, Klinik und Produktion** **Good Practices in Laboratory, Clinics and Production**	L	3	1	50 yes [ii]	NUM	Exam or practical exam (ca. 20 min)			
07-SQF-IKK/-1	**2010-WS**	**Tutorentätigkeit - Interkulturelle Kompetenz** **Tutorial Intercultural Competence**	E+T	4	2	4 yes [ii]	B/NB	Protocol (ca. 10-20 pp.)			
07-SQF-KEB/-1	**2010-WS**	**Kriterien für den erfolgreichen Berufseinstieg** **Career, Personality and Communication**	L+S	5	1	15 yes [ii]	NUM	a) Exam (ca. 30-60 min) and b) Presentation (ca.10 min) or term paper (ca. 5-10 pp.)			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-SQF-RPI/-1	**2010-WS**	**Recherchieren, Präsentieren, Informieren** **Research, Presentation, Information**	L+S	4	1	20 yes [ii]	NUM	Presentation (ca. 10-20 min)			
07-SQF-BGA/-1	**2010-WS**	**Biotechnologie und gesellschaftliche Akzeptanz** **Biotechnology and Social Acceptance**	L+S	3	1	20 yes [ii]	NUM	Term paper resp. development of teaching materials (ca. 5-10 pp.) and presentation: ca. 20 - 30 min)			
07-SQF-GHE/-1	**2010-WS**	**Globales Handeln in global und lokal vernetzten Entscheidungsprozessen** **Global Acting in Globally and Locally linked Decision Processes**	L	3	1	25 yes [ii]	NUM	Protokoll (ca. 10-20 S.)			
07-SQF-HVB/-1	**2010-WS**	**Herausragende Veröffentlichungen in der Biologie** **Outstanding Publications in Biology**	S	3	1	25 yes [ii]	NUM	Presentation (ca. 20-30 min)			
07-SQF-PRB/-1	**2010-WS**	**Patentrecht in der Biologie** **Patents in Biology**	L+S	2	1	25 yes [2]	NUM	Exam (ca. 20 min)			
07-SQF-SAL/-1	**2010-WS**	**Sicheres Arbeiten im ökophysiologischem Labor** **Operational Safety in Ecophysiological Laboratories**	L+Ü	1	1	20 yes [2]	NUM	Exam (ca. 15 min)			
07-SQF-TFB3/-1	**2010-WS**	**Fachbegleitende Tutorentätigkeit Biologie 3** **Supervising Tutorial for Basic Courses 3**	T	3	1		P/NP	Participation certificate and record (ca. 2-3 S.)			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
07-SQF-TFB4/-1	**2010-WS**	**Fachbegleitende Tutorentätigkeit Biologie 4** **Supervising Tutorial for Basic Courses 4**	T	4	1		P/NP	Participation certificate and record (ca. 2-3 S.)			
07-SQF-TFB5/-1	**2010-WS**	**Fachbegleitende Tutorentätigkeit Biologie 5** **Supervising Tutorial for Basic Courses 5**	T	5	1		P/NP	Participation certificate and record (ca. 2-3 S.)			
07-SQF-TSB3/-1	**2010-WS**	**Studienbegleitende Tutorentätigkeit Biologie 3** **Supervising Tutorial for Biology 3**	T	3	1		P/NP	Participation certificate and record (ca. 2-3 S.)			
07-SQF-TSB2/-1	**2010-WS**	**Studienbegleitende Tutorentätigkeit Biologie 2** **Supervising Tutorial for Biology 2**	T	2	1		P/NP	Participation certificate and record (ca. 2-3 S.)			
07-SQF-UBG/-1	**2010-WS**	**Umweltbildung im Botanischen Garten der Universität Würzburg** **Environmental Education in the Botanical Garden of the University**	E+EX	2	1	6 yes [ii]	B/NB	Term paper resp. development of teaching and educational materials (ca. 10-20 pp.)			
07-SQF-WIP/-1	**2010-WS**	**Wissenschaftliches Publizieren** **Publishing Scientific Data**	S	3	1	30 yes [ii]	NUM	Term Paper (ca. 5-10 pp.) und Presentation (ca. 15 min); weighting 2:1			
07-SQF-GTA/-1	**2010-WS**	**Gruppen- und Teamarbeit in MINT-Fächern** **Teamwork in Natural Science**	S	2	1		P/NP	EP:[3]			
07-SQF-UDB/-1	**2010-WS**	**Unternehmerisches Denken in den Biowissenschaften** **Entrepreneurial Thinking in Biosciences**	L+S	3	1		P/NP	EP:[3]			
07-SQF-	**2010-WS**	**Zusatzqualifikation MINT 2**	V+S	2	1		P/NP	EP: [iii]			

Abbrevia-tion	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examina-tion Lan-guage	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
ZQN2/-1		**Additional Qualification in Natural Sciences 2**	+Ü								
07-SQF-ZQN3/-1	**2010-WS**	**Zusatzqualifikation MINT 3** **Additional Qualification in Natural Sciences 3**	L+S +E	3	1		P/NP	EP: [iii]			
07-SQF-ZQN4/-1	**2010-WS**	**Zusatzqualifikation MINT 4** **Additional Qualification in Natural Sciences 4**	L+S +E	4	1		P/NP	EP: [iii]			
07-SQF-ZQN5/-1	**2010-WS**	**Zusatzqualifikation MINT 5** **Additional Qualification in Natural Sciences 5**	L+S +E	5	1		P/NP	EP: [iii]			
07-SQF-ZQA2/-1	**2010-WS**	**Zusatzqualifikation außerhalb Naturwissenschaften 2** **Additional Qualification outside Natural Sciences 2**	L+S	2	1		P/NP	EP: [iii]			
07-SQF-ZQA3/-1	**2010-WS**	**Zusatzqualifikation außerhalb Naturwissenschaften 3** **Additional Qualification outside Natural Sciences 3**	L+S	3	1		P/NP	EP: [iii]			
07-SQF-ZQA4/-1	**2010-WS**	**Zusatzqualifikation außerhalb Naturwissenschaften 4** **Additional Qualification outside Natural Sciences 4**	L+S	4	1		P/NP	EP: [iii]			
07-SQF-ZQA5/-1	**2010-WS**	**Zusatzqualifikation außerhalb Naturwissenschaften 5** **Additional Qualification outside Natural Sciences 5**	L+S	5	1		P/NP	EP: [iii]			

Abbreviation	Version	Module und Sub-Module(s)	Type of Course	ECTS	Length (Sem)	Sub-Rating and Choice	Rating	Type and Extent of the Evaluation Examination	Examination Language	Previously passed Mod./Sub-Modules	Preliminary Performances, Examination Management, Remarks
GENERAL TRANSFERABLE SKILLS: 3-5 ECTS from the ASQ-Pool of the JMUE											
07-SQA-EFQ3/-1	**2011-WS**	**Ergänzende fachübergreifende Qualifikation 3** **Additional key qualification 3**	**a**[1]	**3**	**1**		**P/NP**	**EP:** [iii]			**Consultation with academic advisor prior to beginning**
07-SQA-EFQ4/-1	**2011-WS**	**Ergänzende fachübergreifende Qualifikation 4** **Additional key qualification 4**	**a**[1]	**4**	**1**		**P/NP**	**EP:** [iii]			**Consultation with academic advisor prior to beginning**
07-SQA-EFQ5/-1	**2011-WS**	**Ergänzende fachübergreifende Qualifikation 5** **Additional key qualification 5**	**a**[1]	**5**	**1**		**P/NP**	**EP:** [iii]			**Consultation with academic advisor prior to beginning**
07-SQA-WP1/-1	**2011-WS**	**Gestaltung eines wissenschaftlichen Posters** **Designing a scientific poster**	**E**	**3**	**1**		**P/NP**	**Complete poster according to usual standards usual at international conferences**	**English**		
Final Thesis: 12 ECTS points											
07-6BT/-1	**2010-WS**	**Bachelorthesis Biologie** **Thesis Biology**		12	1		NUM	Written scientific paper (ca. 20-40 pp.)			Prior to the rating, the paper has to be presented in the form of a presentation (ca. 30-45 min)

1 As announced at the beginning of the course.

2 In the event that the number of applications exceeds the number of available places the allocation of available places is subject to the following provisions:

The available places are divided into two contingents. In doing so, 95% of the places for students of the Bachelor Study Programme Biology in the expression of 180

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ECTS points and 5% of the places for students of the Bachelor Study Programme Biology in the expression of 60 ECTS points and for students of the Bachelor Study Programmes Computational Mathematics and Mathematics each in the expression of 180 ECTS points within the framework of the integrated application subject Biology (and for potentially additional "imported" Study Programmes) are provided.

As far as the places provided for one contingent are not needed due to lack of demand, those are passed to the respective other contingent.

Inasmuch as several courses within a sub-module have a limited reception capacity, this is determined consistently for the courses of a sub-module. In this case, a consistent procedure is conducted for all courses concerned. In doing so, candidates are taken into account that have already passed another sub-module of the respective module.

In terms of redundant places, succession procedures are conducted.

Selection Procedure Group 1 (95%):
The selection of participants is primarily effected by means of the preliminary performances of the students.
For this purpose, a ranking list consisting of the ECTS points and the average mark of all examination performances respectively sub-modules from biology (without chemistry, physics, mathematics) accomplished during the study is created as follows:

Initially, a first ranking list according to the average marks weighted by ECTS points (qualitative ranking) and a second ranking list according to the sum of achieved ECTS points (quantitative ranking) are compiled. From the sum of both list positions a third ranking list is compiled that is used for the distribution of places.
In the case of analogue places, the better mark ranking is decisive, otherwise the lot.

Selection Procedure Group 2 (5%):
The selection of participants is effected by the following rates:

1. Quote (50% of places): Sum of previously achieved ECTS points from modules/sub-modules of the Faculty of Biology; equal rankings are drawn.
2. Quote (25% of places): Number of subject semesters of the respective applicant; equal rankings are drawn.
3. Quote (25% of places): Lottery.

[3] Forms of examination: a) exam (ca. 45-60 min) or b) protocol (ca. 10-20 pp.) or c) oral individual examination (ca. 30 min) or d) oral group examination with up to three examinees (ca. 20 min/examinee) or e) presentation (ca. 20-30 min). The type and extent of examination are announced prior to the course.

[4] Registration for tutorials at the beginning of lectures via SB@Home or to the registration deadlines indicated as announced by the lecturer. The participation in the examination requires the provision of preliminary examination performances (for example the fulfilment of a certain amount of exercises). Details are announced by the lecturer at the beginning of the course. The registration expresses the will for participation in the examination. If the preliminary examination performances demanded have been achieved, registration is enforced by the lecturer. Achieved preliminary examination performances enable the participation in the examination in the current semester, respectively upon renewed registration as indicated by the lecturer in the following semesters.

These provisions have been published bilingual in German and English; however, only the German version is legally binding.