

Studyplan

Molecular and Computational Biology (English)		
Total 120 ECTS		
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Modules Semester 1	Area	ECTS	СоН
Methods in Life Sciences Lecture series; 8-9 a.m. / We, Thu, Fr, / Lecture hall A103; Online registration is required: orp from 1.Oct until 21.Dec. Lecture specific WueCampus2 course available; Examination: graded test; obligatory online registration under topic Molecular Biology under module Methods in Life Sciences, orp from 1.Oct until 31.Jan; date 13.Feb 2017, 9.15 a.m., Lecture hall A103 Contact: Dr. Robert Hock rhock@biozentrum.uni-wuerzburg.de	Obligatory Topic: Molecular Biology		
Topics and Concepts in Life Sciences Lecture series; Mo 8-11 a.m., Tue 8-9 a.m. / Lecture hall A103; Online registration is required: orp from 1.Oct until 21.Dec. Lecture specific WueCampus2 course available; Examination: graded test; obligatory online registration under topic Molecular Biology under module Topics and Concepts in Life Sciences, orp from 1.Oct until 31.Jan; date 20.Feb 2017, 9.15 a.m., Lecture hall A103; Contact: Dr. Robert Hock rhock@biozentrum.uni-wuerzburg.de	Obligatory Topic: Molecular Biology	10	3
Topics in Systems Biology Lecture and Seminar; Thu 10 a.m. until 1 p.m. / Lecture room Bioinformatics; Online registration is required; Examination: graded test; obligatory online registration under topic Computational Biology under module Topics in Systems Biology, orp from 1.Oct until 31.Jan Contact: Eva-Maria Fischer eva.fischer@uni-wuerzburg.de	Obligatory Topic: Computational Biology	10	3
Computational Biology F1 Practical course on a current research project, 5 weeks; Information through Master WueCampus2 forum; Contact: Eva-Maria Fischer eva.fischer@uni-wuerzburg.de Examination: graded report; obligatory online registration under topic Computational Biology under module Computational Biology F1, orp from 1.Oct until 31.Jan; report delivery date in agreement with supervisor.	Obligatory Topic: Computational Biology	10	15
Additional Achievements Winter See list	Additional Achievements Winter	20	
ECTS after 1. Semester		30	

S Semester
CoH Weekly contact hours
ECTS Credits

MEM Mandatory elective modules
ORP Online registration period

Modules Semester 2	Area	ECTS	СоН
Molecular Biology			
Lecture series; 9-10 a.m. / Tue, We, Fr, / Lecture hall A102; Online registration is required: 1.April until 31. May	Obligatory/		
Examination: graded test; obligatory online registration under topic Molecular Biology under module Molecular Biology , orp from 1.April until 30.June; date and place of examination tba	Topic: Molecular Biology	10	3
Contact: Eva-Maria Fischer eva.fischer@uni-wuerzburg.de			
Topics in Bioinformatics			
Lecture and Seminar; Thu 11 a.m. until 1 p.m. / Lecture room Bioinformatics; Online registration is required;	Obligatory		
Examination: graded test; obligatory online registration under topic Computational Biology under module Topics in Bioinformatics , orp from 1.April until 30.June; date and place of examination tba	Topic: Computational Biology	10	3
Contact: Eva-Maria Fischer eva.fischer@uni-wuerzburg.de			
Pathogenicity of Microorganisms			
Lecture and seminar; Online registration is required via online ticket;			
Lecture Fr 10-11 a.m. Lecture hall A102; Seminar either Mo or Thu 5-6.30 p.m., Seminar-Room C102; Information through Master WueCampus2 forum and see online in course overview. contact: Dr. Andreas Demuth andreas.demuth@uni-wuerzburg.de	Obligatory/ Topic: Molecular Biology		
Examination: graded test; obligatory online registration under topic Molecular Biology under module under module Pathogenicity of Microorganisms , orp from 1.Oct until 31.Jan; date and place will be announced	ыоюду		
Molecular Biology F1			
Practical course on a current research project, 5 weeks; Examination: graded report; obligatory online registration under topic Molecular Biology under module Molecular Biology F1 , orp from 1.Oct until 31.Jan; report delivery date in agreement with supervisor. Contact: Eva-Maria Fischer eva.fischer@uni-wuerzburg.de	Obligatory Topic: Molecular Biology	10	3
Additional Achievements Summer See list	Additional Achievements Summer		
ECTS after 2. Semester		30	

Modules Semester 3	Area	ECTS	СоН
F2-Practical course in your thesis topic	Obligatory/		
This practical course (10-12 week) is preparatory to the thesis and therefore its arrangement goes along with the organization of the thesis.	Topic: Molecular Biology or		
Examination: passed report; obligatory online registration under chosen topic and either under the module Molecular Biology F2 or under the module Computational Biology F2	Computational Biology	15	30
Contact Computational Biology:			
Eva-Maria Fischer eva.fischer@uni-wuerzburg.de			
Contact Molecular Biology:			
Prof. Ricardo Benavente <u>benavente@biozentrum.uni-wuerzburg.de</u>			
Additional Achievements Winter See list for suggestions	Additional Achievements Winter	15	1-5
ECTS after 3. Semester		30	

Modules Semester 4	Area	ECTS	СоН
Thesis Scientific project; Has to be preceded by a preparatory F2 practical course of 10-12 weeks. The written thesis is graded. You require two supervisors. One of the two supervisors has to member of the Faculty of Biology. The thesis project (title) and thesis start date are registered through the examination office. For registration a form signed by both supervisors and by yourself has to be delivered to the examination office. Form in WueCampus2.	Obligatory/ Topic: Molecular Biology or Computational Biology	25	-
Thesis Colloquium 30 minutes talk about your thesis project followed by a 15 min discussion and questionnaire – graded. The colloquium is registered through the examination office. For registration, a form has to be delivered to the examination office. Form in WueCampus2.	Obligatory/ Topic: Molecular Biology or Computational Biology	5	-
ECTS after 4. Semester		30	

Additional Achievements Winter	Area	ECTS	СоН
German language courses Various courses possible: See information under http://www.zfs.uni- wuerzburg.de/sprachen/deutsch_als_fremdsprache/aktuelles_und_kursterm ine/ Obligatory according to regulations. A prove of German language skill has to be delivered to the "Studiendekanat" before reregistration for the third semester during the second semester.	Obligatory		
Methods in Life Sciences (within suggested studyplan) Lecture series; 8-9 a.m. / We, Thu, Fr, / Lecture hall A103; Online registration is required: orp from 1.Oct until 21.Dec. Lecture specific WueCampus2 course available; Examination: passed test, obligatory online registration under "Ergänzende Leistungen" under module Methods in Life Sciences B, orp from 1.Oct until 31.Jan; date 13.Feb 2017, 9.15 a.m., Lecture hall A103; 7 ECTS graded test, obligatory online registration under "Ergänzende Leistungen" under module Methods in Life Sciences, orp from 1.Oct until 31.Jan; date 13.Feb 2017, 9.15 a.m., Lecture hall A103; 10 ECTS	Additional Achievements Winter	10	თ
Topics and Concepts in Life Sciences (only, if not chosen under topic "Molecular Biology") Lecture series; Mo 8-11 a.m., Tue 8-9 a.m. / Lecture hall A103; Online registration is required: orp from 1.Oct until 21.Dec. Lecture specific WueCampus2 course available; Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Topics and Concepts in Life Sciences B, orp from 1.Oct until 31.Jan; date 20.Feb 2017, 9.15 a.m., Lecture hall A103; 7 ECTS graded test; obligatory online registration under "Ergänzende Leistungen" under module Topics and Concepts in Life Sciences, orp from 1.Oct until 31.Jan; date 20.Feb 2017, 9.15 a.m., Lecture hall A103; 10 ECTS	Additional Achievements Winter	7 or 10	3
Biochemistry, physiology and genetics of mammalian cell culture Seminar; Two days Block 16.and 17.March / Lecture hall A102; Online registration is required: orp will open in January, Information through WueCampus2 forum. Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module "Biochemistry, physiology and genetics of mammalian cell culture", orp from 1.Oct until 31.Jan; date and place tba	Additional Achievements Winter	5	3
Molecular Tumor Biology Lecture series; Thu 12-2 p.m., Lecture hall A102; Online registration is required: orp from 1.Oct until 21.Dec.	Additional Achievements Winter	5	2

Additional Achievements Winter	Area	ECTS	СоН
Examination: graded test; obligatory online registration under "Ergänzende Leistungen" under module Molecular Tumor Biology , orp from 1.Oct until 31.Jan; date and place of examination tba			
Immunology 1B			
Lecture and seminar; Online registration is required; Seminar Fr 2-4 p.m. Lecture hall A102; Information through Master WueCampus2 forum; Contact: Prof. Herrmann; herrmann-t@vim.uni- wuerzburg.de Examination: passed test; obligatory online registration under Immunology	Additional Achievements Winter	7	3
1B , orp from 1.Oct until 31.Jan; date and place of examination tba			
Immunology 1BS Seminar; Online registration is required; Lecture Fr 2-4 p.m. Lecture hall A102; Further information through Master WueCampus2 forum; Contact Prof. Herrmann; herrmann-t@vim.uni-wuerzburg.de Examination: passed test; obligatory online registration under Immunology 1BS, orp from 1.Oct until 31.Jan; date and place of examination tba	Additional Achievements Winter	5	2
Virology 1B			
Lecture and Seminar; Wed 5-7 p.m. Institute of Virology, Verbacherstraße 7, Seminar Room. Obey also WueCampus2 forum; Contact Dr. Jochen Bodem; jochen.bodem@vim.uni-wuerzburg.de	Additional Achievements Winter	5	3
Examination: passed test; obligatory online registration under Virology 1B , orp from 1.Oct until 31.Jan; date and place of examination tba	vviitei		
Biophysics and Biochemistry B			
Lecture; Tue 10-11 a.m., Lecture hall A103; Thu 8-10 a.m., Lecture hall A102; Online registration is required: orp from 1.Oct until 21.Dec. Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Biophysics and Biochemistry B , orp from 1.Oct until 31.Jan; date and place of examination tba	Additional Achievements Winter	5	2
Neurobiology, Behavioural Physiology and Animal Ecology B Lecture series; Tue 4-6 p.m. and Thu 4-5 p.m., Lecture hall A102; Online registration is required: orp from 1.Oct until 21.Dec. Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Biophysics and Biochemistry B, orp from 1.Oct until 31.Jan; date and place of examination tba	Additional Achievements Winter	7	3
Neurogenetics of Behaviour B			
Lecture; Fr 11 a.m. until 1 p.m., Lecture hall A102; Online registration is required: orp from 1.Oct until 21.Dec. Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Neurogenetics of Behaviour B , orp from 1.Oct until 31.Jan; date and place of examination tba	Additional Achievements Winter	5	2
Tissue engineering as alternative for animal testing Seminar; Tue 5-8 p.m., Seminar Room SE 001, Röntgenring; Registration	Additional Achievements	5	2

Additional Achievements Winter	Area	ECTS	СоН
through christian.lotz@uni-wuerzburg.de is required;	Winter		
Examination: graded presentation; obligatory online registration under "Ergänzende Leistungen" under module "Special Subject Studies Biology and Natural Science 4", orp from 1.Oct until 31.Jan; date and place of examination tba			
Linux and Perl			
Seminar; 5 days 6.3.2017-10.3.2017, 9 a.m. until 4 p.m.; Computer Room Building 80 North Campus; Online registration is required: orp from 1.Oct until 21.Dec. Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Linux and Per l, orp from 1.Oct until 31.Jan; date and place of examination tba	Additional Achievements Winter	5	3
Genetics, environment and molecular therapy concepts of			
cancer			
Seminar; 2 days block in March 2017; date and place tba; Online registration is required: orp will open in January; Information through WueCampus2 forum.	Additional Achievements Winter	3	2
Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module "Special Subject Studies Biology and Natural Science 2B", orp from 1.Oct until 31.Jan; date and place tba	villo		

Additional Achievements Summer	Area	ECTS	СоН
Clinical Tumor Biology Lecture series; Online registration is required: orp from 1.April until 31. May Examination: graded test; obligatory online registration under "Ergänzende Leistungen" under module Clinical Tumor Biology, orp from 1.April until 30 June; date and place of examination tba	Additional Achievements Summer	5	2
Immunology 2B Lecture and seminar; Online registration is required; Seminar Fr 2-4 p.m. Lecture hall A102; Information through Master WueCampus2 forum; contact Prof. Thomas Herrmann; herrmann- t@vim.uni-wuerzburg.de Examination: passed test; obligatory online registration under Immunology 2B, orp from 1.April until 30 June; date and place of examination tba	Additional Achievements Summer	7	3
Immunology 2BS Seminar; Online registration is required; Lecture Fr 2-4 p.m. Lecture hall A102; Further information through Master WueCampus2 forum; contact Prof. Thomas Herrmann; herrmann-t@vim.uni-wuerzburg.de Examination: passed test; obligatory online registration under Immunology 2BS, orp from 1.April until 30 June; date and place of examination tba	Additional Achievements Summer	5	2
Biochemistry, physiology and genetics of mammalian cell	Additional	5	3

Additional Achievements Summer	Area	ECTS	СоН
culture	Achievements		
Seminar; Two days block end of July / Lecture hall A102; Online registration is required: orp will open in January; Information through Master WueCampus2 forum	Summer		
Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under Module Biochemistry , physiology and genetics of mammalian cell culture ; orp from 1.April until 30 June; date and place of examination tba			
Biophysics and Molecular Biotechnology B			
Lecture Tue 5-7 p.m. Lecture Seminar-Room C102; Information through Master WueCampus2 forum; Online registration is required: orp from 1.April until 31. May	Additional Achievements	5	2
Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Biophysics and Molecular Biotechnology B ; orp from 1.April until 30 June; date and place of examination tba	Summer		
Pathogenicity of Microorganisms B			
Lecture and seminar; Online registration is required via online ticket; Lecture Fr 10-11 a.m. Lecture hall A102; Information through Master WueCampus2 forum and see online in course overview.	Additional Achievements	5	2
Examination: passed test; obligatory online registration under topic Cell and Developmental Biology, orp from 1.Oct until 31.Jan; date and place will be announced	Summer		
Contact: Dr. Andreas Demuth andreas.demuth@uni-wuerzburg.de			
Signals and Differentiation B Lecture Fr 10-11 a.m. Lecture hall A102; Seminar-Room C102; Information through Master WueCampus2 forum.	Additional		
Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Cell and Developmental Biology 2 B , orp from 1.April until 30.June; date and place of examination tba	Achievements Summer	3	1
Contact: Prof. Ricardo Benavente <u>benavente@biozentrum.uni-</u> <u>wuerzburg.de</u>			
Mass Spectrometry and Proteomics			
Lecture Mo 10-11 a.m. Lecture hall A102; Online registration is required: orp from 1.April until 31. May	Additional		
Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Molecular Techniques , orp from 1.April until 30 June; date and place of examination tba	Achievements Summer	3	1
Virology 2B	Additional		
Lecture and Seminar; tba. Obey also WueCampus2 forum; For questions Dr. Jochen Bodem; jochen.bodem@vim.uni-wuerzburg.de	Achievements Summer	5	3
Examination: passed test; obligatory online registration under Virology 2B ,			

Additional Achievements Summer	Area	ECTS	СоН
orp from 1.April until 30.June; date and place of examination tba			
Plant Ecology B Lecture series; Mo,Tue, Fr 8-9 a.m. Lecture hall A102; Information through Master WueCampus2 forum; Online registration is required: orp from 1.April until 31. May Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Plant Ecology B; orp from 1.April until 30 June; date and place of examination tba	Additional Achievements Summer	5	2
Experimental Sociobiology B			
Lecture/Seminar, Mo 9-12 a.m. Lecture hall A102; Information through Master WueCampus2 forum; Online registration is required: orp from 1.April until 31. May Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Experimental Sociobiology B ; orp from 1.April until 30 June; date and place of examination tba	Additional Achievements Summer	7	3
Animal Ecology and Tropical Biology B			
Lecture, Thu 5-7 p.m. Lecture hall A102; Information through Master WueCampus2 forum; Online registration is required: orp from 1.April until 31. May Examination: passed test; obligatory online registration under "Ergänzende"	Additional Achievements Summer	5	2
Leistungen" under module Animal Ecology and Tropical Biology B ; orp from 1.April until 30 June; date and place of examination tba			
Endogenous clocks B			
Lecture, Fr 11 a.m. until 1 p.m. Lecture hall A102; Information through Master WueCampus2 forum; Online registration is required: orp from 1.April until 31. May Examination: passed test; obligatory online registration under "Ergänzende"	Additional Achievements Summer	5	2
Leistungen" under module Endogenous clocks B ; orp from 1.April until 30 June; date and place of examination tba			
Neuromodulation and Neuronal Development B			
Lecture, Tue 3-5 p.m. Lecture hall A102; Information through Master WueCampus2 forum; Online registration is required: orp from 1.April until 31. May	Additional Achievements	5	2
Examination: passed test; obligatory online registration under "Ergänzende Leistungen" under module Neurobiology and Neuronal Development B ; orp from 1.April until 30 June; date and place of examination tba	Summer		