Modules for Neurosensory Science and Systems

Date 19/09/20

Module

olt133 - Language courses

Module label	Language courses		
Module code	olt133		
Credit points	6.0 KP		
Workload	180 h		
Used in course of study	• Structured Doctoral Programme Environmental Sciences and Biodiversity (Doctoral Programme) > Module • Structured Doctoral Programme Interface Science (Doctoral Programme) > Module • Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module		
Contact person	Module responsibility ◦ Klaudia Hettwer		
Entry requirements			
Skills to be acquired in this module	Development and/or improvement of language skills.		
Module contents	The PhD student should improve his or her language skills in a language not being his or her mother tongue. If the student is going for a lab visit abroad other languages than English or German can be choosen.		
Reader's advisory			
Links			
Languages of instruction	German, English		
Duration (semesters)	1 Semester		
Module frequency	halbjährlich		
Module capacity	unlimited		
Modullevel	Prom (Promotion)		
Modulart	Wahlpflicht / Elective		
Lern-/Lehrform / Type of program			
Vorkenntnisse / Previous knowledge			
Examination	Time of examination	Type of examination	
Final exam of module		Active participation	
Course type	VA-Auswahl		
SWS	0.00		
Frequency	SuSe and WiSe		
Workload attendance	0 h		

olt134 - Additional module in communication

Module label	Additional module in communication		
Module code	olt134		
Credit points	6.0 KP		
Workload	180 h		
Used in course of study	• Structured Doctoral Programme Environmental Sciences and Biodiversity (Doctoral Programme) > Module • Structured Doctoral Programme Interface Science (Doctoral Programme) > Module • Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module		
Contact person	Module responsibility ◦ Klaudia Hettwer		
Entry requirements			
Skills to be acquired in this module			
Module contents			
Reader's advisory			
Links			
Languages of instruction	English , German		
Duration (semesters)	1 Semester		
Module frequency			
Module capacity	unlimited		
Modullevel	Prom (Promotion)		
Modulart	Wahlpflicht / Elective		
Lern-/Lehrform / Type of program			
Vorkenntnisse / Previous knowledge			
Examination	Time of examination	Type of examination	
Final exam of module		BE	
Course type	VA-Auswahl		
SWS	0.00		
Frequency	SuSe and WiSe		
Workload attendance	0 h		

olt161 - Transferable skills / Scientific career

Module label	Transferable skills / Scientific career
Module code	olt161
Credit points	12.0 KP
Workload	360 h
Used in course of study	• Structured Doctoral Programme Environmental Sciences and Biodiversity (Doctoral Programme) > Module • Structured Doctoral Programme Interface Science (Doctoral Programme) > Module • Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Klaudia Hettwer
Entry requirements	
Skills to be acquired in this module	
Module contents	
Reader's advisory	
Links	
Languages of instruction	English , German
Duration (semesters)	1 Semester
Module frequency	
Module capacity	unlimited
Modullevel	Prom (Promotion)
Modulart	Wahlpflicht / Elective
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		Active participation

Course type	VA-Auswahl
SWS	2.00
Frequency	SuSe and WiSe
Workload attendance	28 h

olt164 - Mentoring

Module label	Mentoring
Module code	olt164
Credit points	6.0 KP
Workload	180 h
Used in course of study	• Structured Doctoral Programme Environmental Sciences and Biodiversity (Doctoral Programme) > Module • Structured Doctoral Programme Interface Science (Doctoral Programme) > Module • Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Klaudia Hettwer
Entry requirements	
Skills to be acquired in this module	
Module contents	
Reader's advisory	
Links	
Languages of instruction	German, English
Duration (semesters)	1 Semester
Module frequency	
Module capacity	unlimited
Modullevel	Prom (Promotion)
Modulart	Wahlpflicht / Elective
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		KL

Course type	VA-Auswahl
SWS	0.00
Frequency	SuSe and WiSe
Workload attendance	0 h

olt165 - Additional module "Transferable Skills"

Module label	Additional module "Transferable Skills"
Module code	olt165
Credit points	6.0 KP
Workload	180 h
Used in course of study	• Structured Doctoral Programme Environmental Sciences and Biodiversity (Doctoral Programme) > Module • Structured Doctoral Programme Interface Science (Doctoral Programme) > Module • Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Klaudia Hettwer
Entry requirements	
Skills to be acquired in this module	
Module contents	Development of additional and improved knowledge on transferable skills.
Reader's advisory	
Links	
Languages of instruction	German, English
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Modullevel	Prom (Promotion)
Modulart	Wahlpflicht / Elective
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		Active participation

Course type	VA-Auswahl
SWS	0.00
Frequency	SuSe and WiSe
Workload attendance	0 h

olt201 - Summer School / Congress

Module label	Summer School / Congress
Module code	olt201
Credit points	6.0 KP
Workload	180 h
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Georg Martin Klump ◦ Henrik Mouritsen Module counceling ◦ Klaudia Hettwer
Entry requirements	English language skills; Presentation skills;
Skills to be acquired in this module	Development of competence in the presentation and discussion of research findings in the international context. Obtaining an overview of related research fields. Social skills (networking) in the international scientific community should be developed.
Module contents	The PhD students participate at summer schools or international congresses. They prepare their own presentation, show their work in the form of posters or oral presentations and discuss their findings with an audience. Since the participation at summer schools and workshops includes the cooperation with scientists from other national and/or international research institutions, the students extend their knowledge and socialise with the scientific community.
Reader's advisory	
Links	
Language of instruction	English
Duration (semesters)	1 Semester
Module frequency	unregelmäßig
Module capacity	unlimited
Modullevel	Prom (Promotion)
Modulart	Wahlpflicht / Elective
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		at congresses: active participation with posterpresentation and/or talk at summer schools: active participation

Course type	Comment	SWS	Frequency	Workload attendance
Lecture		2.00	SuSe and WiSe	28 h
VA-Auswahl		0.00	WiSe	0 h
Total time of attendance for the module				28 h

olt202 - Lab visit abroad

Module label	Lab visit abroad
Module code	olt202
Credit points	6.0 KP
Workload	180 h
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Georg Martin Klump
Entry requirements	
Skills to be acquired in this module	Development of competence in working in a foreign laboratory or in the field to extend and improve knowledge on sampling and analysis methods with adequate technologies. In addition, social skills (networking, teamwork, cross-cultural competence) should be developed.
Module contents	The PhD students plan their schedule, prepare their practical work and organize their stay at the laboratory of a foreign research institution.
Reader's advisory	
Links	
Languages of instruction	
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Reference text	Please plan the research trip in time.
Modullevel	Prom (Promotion)
Modulart	je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		oral or written report

Course type	VA-Auswahl
SWS	0.00
Frequency	--
Workload attendance	0 h

olt203 - Special techniques in Neurosensory Science and Systems

Module label	Special techniques in Neurosensory Science and Systems
Module code	olt203
Credit points	12.0 KP
Workload	360 h
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Georg Martin Klump
Entry requirements	
Skills to be acquired in this module	Development of improved or additional competences in special scientific techniques including laboratory methodologies as well as analysing, modling and interpreting data. This Module will introduce the recommendations on good scientific practice of the Germen Science Foundation (DFG), and the official procedures for dealing with scientific misconduct at the University of Oldenburg.
Module contents	The PhD students extend their knowledge on special scientific techniques or good scientific practice through participating at advanced courses including lectures, seminars or intensive courses. Intensive courses can be part of a summer school.
Reader's advisory	
Links	
Languages of instruction	German, English
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Modullevel	Prom (Promotion)
Modulart	je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		Active participation

Course type	VA-Auswahl
SWS	0.00
Frequency	--
Workload attendance	0 h

olt204 - Medical basics of Neurosensory Sciences and Systems

Module label	Medical basics of Neurosensory Sciences and Systems	
Module code	olt204	
Credit points	6.0 KP	
Workload	180 h	
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module	
Contact person	Module responsibility ◦ Birger Kollmeier	
Entry requirements		
Skills to be acquired in this module	Development of additional and improved knowledge on numerous topics of scientific field of medicine. The knowledge of the medical bases of neurosensory should be developed.	
Module contents		
Reader's advisory		
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Modullevel	Prom (Promotion)	
Modulart	je nach Studiengang Pflicht oder Wahlpflicht	
Lern-/Lehrform / Type of program		
Vorkenntnisse / Previous knowledge		
Examination	Time of examination	Type of examination
Final exam of module		Active participation
Course type	VA-Auswahl	
SWS	0.00	
Frequency	--	
Workload attendance	0 h	

olt205 - Data analysis using Matlab

Module label	Data analysis using Matlab	
Module code	olt205	
Credit points	3.0 KP	
Workload	90 h	
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module	
Contact person	Module responsibility ◦ Jutta Kretzberg	
Entry requirements		
Skills to be acquired in this module		
Module contents		
Reader's advisory		
Links		
Languages of instruction	German, English	
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Modullevel	Prom (Promotion)	
Modulart	je nach Studiengang Pflicht oder Wahlpflicht	
Lern-/Lehrform / Type of program		
Vorkenntnisse / Previous knowledge		
Examination	Time of examination	Type of examination
Final exam of module		Active participation
Course type	Seminar	
SWS		
Frequency		
Workload attendance	0 h	

olt206 - Journal club

Module label	Journal club	
Module code	olt206	
Credit points	3.0 KP	
Workload	90 h	
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module	
Contact person	Module responsibility ◦ Karl-Wilhelm Koch	
Entry requirements	English language skills	
Skills to be acquired in this module	Development of additional and improved knowledge on specific research areas. Competences in discussing scientific topics and the general outline of a scientific publication should be developed.	
Module contents		
Reader's advisory		
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Modullevel	Prom (Promotion)	
Modulart	je nach Studiengang Pflicht oder Wahlpflicht	
Lern-/Lehrform / Type of program		
Vorkenntnisse / Previous knowledge		
Examination	Time of examination	Type of examination
Final exam of module		Active participation and seminar talk.
Course type	Seminar	
SWS		
Frequency		
Workload attendance	0 h	

olt207 - Colloquium Neurosensory Science and Systems

Module label	Colloquium Neurosensory Science and Systems		
Module code	olt207		
Credit points	3.0 KP		
Workload	90 h		
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module		
Contact person	Module responsibility ◦ Georg Martin Klump ◦ Birger Kollmeier ◦ Kathrin Henrichs ◦ Beate Grünberg		
Entry requirements			
Skills to be acquired in this module	Development of scientific knowledge, networking skills and presentation skills.		
Module contents	PhD Students present their research topics and results to other PhD Students and discuss them. PhD Students participate in research seminars and get insight in current research topics.		
Reader's advisory			
Links			
Language of instruction	English		
Duration (semesters)	1 Semester		
Module frequency	halbjährlich		
Module capacity	unlimited		
Modullevel	Prom (Promotion)		
Modulart	je nach Studiengang Pflicht oder Wahlpflicht		
Lern-/Lehrform / Type of program			
Vorkenntnisse / Previous knowledge			
Examination	Time of examination	Type of examination	
Final exam of module		SFB-Research seminar: Active participation Hot Topic Seminar and GK-Colloquium: Active participation with at least one talk or poster presentation	
Course type	Seminar		
SWS			
Frequency			
Workload attendance	0 h		

olt208 - Additional module "Specific knowledge"

Module label	Additional module "Specific knowledge"		
Module code	olt208		
Credit points	6.0 KP		
Workload	180 h		
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module		
Contact person	Module responsibility ◦ Kathrin Henrichs		
Entry requirements			
Skills to be acquired in this module	Development of additional and improved knowledge on specific research areas.		
Module contents			
Reader's advisory			
Links			
Languages of instruction	German, English		
Duration (semesters)	1 Semester		
Module frequency	halbjährlich		
Module capacity	unlimited		
Reference text	Courses of the modules olt201- olt207 or comparable courses can be accepted		
Modullevel	Prom (Promotion)		
Modulart	je nach Studiengang Pflicht oder Wahlpflicht		
Lern-/Lehrform / Type of program			
Vorkenntnisse / Previous knowledge			
Examination	Time of examination	Type of examination	
Final exam of module		See description of the module, from which the course was choosen	
Course type	VA-Auswahl		
SWS	0.00		
Frequency	--		
Workload attendance	0 h		

olt231 - Advanced presentation techniques

Module label	Advanced presentation techniques	
Module code	olt231	
Credit points	3.0 KP	
Workload	90 h	
Used in course of study	• Structured Doctoral Programme Interface Science (Doctoral Programme) > Module • Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module	
Contact person	Module responsibility ◦ Henrik Mouritsen	
Entry requirements	English language skills; Software PowerPoint	
Skills to be acquired in this module	Development of competences in presenting scientific topics.	
Module contents	Courses on advanced presentation skills provide a practical opportunity to enhance current presentation skills and add finesse to the delivery of presentations. The training looks at how to make a presentation persuasive and includes structuring and designing of contributions for conferences, self-evaluation and body language. Other courses of this module focus on voice training for improving economic breathing and for generating an accurate pronunciation or on the formation of strategic networks in the community as key for successful careers in science and industry. The generation of knowledge on the use of special equipment and techniques or the design of a web page for presenting research findings are also included in this module.	
Reader's advisory		
Links		
Languages of instruction		
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Modullevel	Prom (Promotion)	
Modulart	je nach Studiengang Pflicht oder Wahlpflicht	
Lern-/Lehrform / Type of program		
Vorkenntnisse / Previous knowledge		
Examination	Time of examination	Type of examination
Final exam of module		Active participation: Assessment of a poster and/or assessment of two talks.
Course type	VA-Auswahl	
SWS	0.00	
Frequency	WiSe	
Workload attendance	0 h	

olt232 - Summer School / Congress

Module label	Summer School / Congress
Module code	olt232
Credit points	4.0 KP
Workload	120 h
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Georg Martin Klump ◦ Henrik Mouritsen
Entry requirements	English language skills, presentation skills
Skills to be acquired in this module	Development of competence in the presentation and discussion of research findings in the international context. Obtaining an overview of related research fields. Social skills (networking) in the international scientific community should be developed.
Module contents	The PhD students participate at summer schools or international congresses. They prepare their own presentation, show their work in the form of posters or oral presentations and discuss their findings with an audience. Since the participation at summer schools and workshops includes the cooperation with scientists from other national and/or international research institutions, the students extend their knowledge and socialise with the scientific community.
Reader's advisory	
Links	
Language of instruction	English
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Reference text	Module should be attended: At any time of the PhD work
Modullevel	Prom (Promotion)
Modulart	je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		at congresses: active participation with posterpresentation and/or talk at summer schools: active participation

Course type	VA-Auswahl
SWS	0.00
Frequency	--
Workload attendance	0 h

olt233 - Didactics

Module label	Didactics		
Module code	olt233		
Credit points	6.0 KP		
Workload	180 h		
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module		
Contact person			
Entry requirements			
Skills to be acquired in this module			
Module contents			
Reader's advisory			
Links			
Languages of instruction			
Duration (semesters)	1 Semester		
Module frequency			
Module capacity	unlimited		
Modullevel	---		
Modulart	je nach Studiengang Pflicht oder Wahlpflicht		
Lern-/Lehrform / Type of program			
Vorkenntnisse / Previous knowledge			
Examination	Time of examination	Type of examination	
Final exam of module		BE	
Course type	Seminar		
SWS			
Frequency			
Workload attendance	0 h		

olt261 - Basics in distribution-free statistics

Module label	Basics in distribution-free statistics		
Module code	olt261		
Credit points	3.0 KP		
Workload	90 h		
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module		
Contact person	Module responsibility ◦ Georg Martin Klump Module counceling ◦ Ulrike Langemann		
Entry requirements			
Skills to be acquired in this module	Basics in distribution-free statistics		
Module contents	Basic concepts of distribution-free statistics are introduced to the PhD student. Includes exercises.		
Reader's advisory			
Links			
Language of instruction	English		
Duration (semesters)	1 Semester		
Module frequency	halbjährlich		
Module capacity	unlimited		
Modullevel	Prom (Promotion)		
Modulart	je nach Studiengang Pflicht oder Wahlpflicht		
Lern-/Lehrform / Type of program			
Vorkenntnisse / Previous knowledge			
Examination	Time of examination	Type of examination	
Final exam of module		Active participation	
Course type	Seminar		
SWS			
Frequency			
Workload attendance	0 h		

olt262 - Experimental design and variance analysis

Module label	Experimental design and variance analysis
Module code	olt262
Credit points	3.0 KP
Workload	90 h
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Hans Colonius
Entry requirements	
Skills to be acquired in this module	Students should: • understand the basic logic of statistical inference and experimental designs • and be able to correctly interpret empirical statistical results; • become familiar with the most common types of analysis of variance and experimental designs, • be able to develop an appropriate experimental design for a given research question, • and be able to correctly perform the statistical analyses of empirical data.
Module contents	Principles of statistical inference, principals of analysis of variance; Contrasts and comparisons among means; single- and two-factor independent group designs; repeated measures designs; multivariate statistical methods Lecturers give input on basic and special topics of experimental designs and analysis of variance Data are analysed in class using SPSS and/or R. Students work in groups in order to prepare a statistical analysis on self-collected data. This is presented and the analysis is carried out by the participants in class.
Reader's advisory	
Links	
Language of instruction	English
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Modullevel	Prom (Promotion)
Modulart	je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		Active participation

Course type	Comment	SWS	Frequency	Workload attendance
Lecture		2.00	WiSe	28 h
Seminar				0 h
Tutorial		2.00	SuSe and WiSe	28 h
Total time of attendance for the module				56 h

olt263 - Numeric and computer Skills

Module label	Numeric and computer Skills
Module code	olt263
Credit points	3.0 KP
Workload	90 h
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module
Contact person	Module responsibility ◦ Volker Hohmann
Entry requirements	
Skills to be acquired in this module	Students acquire theoretical knowledge of basic numerical methods and practical skills to apply these methods on physical problems within all areas of experimental, theoretical and applied physics.
Module contents	Basic concepts of numerical mathematics are introduced and applied to physics problems. Topics include: finite number representation and numerical errors linear and nonlinear systems of equations numerical differentiation and integration function minimization and model fitting discrete Fourier analysis ordinary and partial differential equations.
Reader's advisory	
Links	
Language of instruction	German
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Reference text	Language: English materials, including extensive script;, tutorials in English; lecture in German Module should be attended: At any time during the PhD project
Modullevel	Prom (Promotion)
Modulart	je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program	
Vorkenntnisse / Previous knowledge	

Examination	Time of examination	Type of examination
Final exam of module		Active participation

Course type	VA-Auswahl
SWS	0.00
Frequency	--
Workload attendance	0 h

olt264 - Scientific publishing

Module label	Scientific publishing		
Module code	olt264		
Credit points	6.0 KP		
Workload	180 h		
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module		
Contact person	Module responsibility ◦ Christiane Margarete Thiel Module counceling ◦ Georg Martin Klump ◦ Birger Kollmeier ◦ Steven van de Par		
Entry requirements	English language skills, PhD Studets should have data to publish.		
Skills to be acquired in this module	Development of competences in scientific writing for publishing in international peer-reviewed scientific journal.		
Module contents	The students learn about the importance and structure of scientific publications. For wirting their own (first) publication the PhD Students work together in tandems, small teams or intensive writing classes.		
Reader's advisory			
Links			
Language of instruction	English		
Duration (semesters)	1 Semester		
Module frequency	halbjährlich		
Module capacity	unlimited		
Reference text	Events of this module including dates and locations: According to agreement with lecturers		
Modullevel	Prom (Promotion)		
Modulart	je nach Studiengang Pflicht oder Wahlpflicht		
Lern-/Lehrform / Type of program			
Vorkenntnisse / Previous knowledge			
Examination	Time of examination	Type of examination	
Final exam of module		skript to publish	
Course type	Seminar		
SWS			
Frequency			
Workload attendance	0 h		

olt209 - Laboratory Animal Science

Module label	Laboratory Animal Science	
Module code	olt209	
Credit points	3.0 KP	
Workload	90 h	
Used in course of study	• Structured Doctoral Programme Neurosensory Science and Systems (Doctoral Programme) > Module	
Contact person		
Entry requirements		
Skills to be acquired in this module		
Module contents		
Reader's advisory		
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Modullevel	AC (Aufbaucurriculum / Composition)	
Modulart	Wahlpflicht / Elective	
Lern-/Lehrform / Type of program		
Vorkenntnisse / Previous knowledge		
Examination	Time of examination	Type of examination
Final exam of module		Webbasierte schriftliche Prüfung und aktive Teilnahme am praktischen Teil des Moduls
Course type	Seminar	
SWS	2.00	
Frequency	SuSe or WiSe	
Workload attendance	28 h	