

Modulverzeichnis

**Promotionsstudiengang "Biologische
Diversität und Ökologie (Biological Diversity
and Ecology)" - zur Promotionsordnung
der mathematisch-naturwissenschaftlichen
Graduiertenschule der Georg-August-
Universität Göttingen - Georg-August University
School of Science (GAUSS) - (RerNatO)
(Amtliche Mitteilungen I Nr. 28/2018 S. 514)**

Module

P.Biodiv.01: Scientific project management.....	5801
P.Biodiv.02: Advanced scientific qualification in theory and practice.....	5802
P.Biodiv.03: Scientific teaching.....	5803
P.Biodiv.04: Scientific presentation and communication.....	5804
P.Biodiv.05: Key competencies.....	5805

Übersicht nach Modulgruppen

I. Promotionsstudiengang "Biologische Diversität und Ökologie (Biological Diversity and Ecology)"

Es sind im Rahmen des Promotionsstudiums Leistungen im Umfang von insgesamt wenigstens 22 C durch erfolgreiche Absolvierung der nachfolgenden Module zu erbringen:

P.Biodiv.01: Scientific project management (3 C, 2 SWS).....	5801
P.Biodiv.02: Advanced scientific qualification in theory and practice (6 C, 4 SWS).....	5802
P.Biodiv.03: Scientific teaching (3 C, 2 SWS).....	5803
P.Biodiv.04: Scientific presentation and communication (4 C).....	5804
P.Biodiv.05: Key competencies (6 C, 4 SWS).....	5805

Georg-August-Universität Göttingen Modul P.Biodiv.01: Scientific project management <i>English title: Scientific project management</i>		3 C 2 SWS
Lernziele/Kompetenzen: The students <ol style="list-style-type: none"> 1. study the up-to-date original literature addressing the research project they have started, and discuss open questions with their Thesis Committee and supervisors; 2. learn to critically reflect and query scientific publications; 3. select original papers of relevance of their research project, and present these by talks in PhD seminars; 4. present the concept of their own research project including the experimental design, and data processing of their investigations; 5. report and discuss the state of the art of their own research progress in context with current literature; 6. attain professional knowledge in disciplines related to their scientific subject, and current research methods. 		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 62 Stunden
Lehrveranstaltungen: 1. PhD colloquium/Research colloquium and 2. PhD colloquium/Research colloquium or 3. PhD colloquium/Research colloquium In agreement with their Thesis Committee the PhD students participate either in a 1 WLH colloquium over two semesters or in a 2 WLH colloquium during one semester.		1 SWS 1 SWS 2 SWS
Prüfung: Vortrag (je ca. 25 Minuten) und anschließende Diskussion		3 C
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Englisch	Modulverantwortliche[r]: PD Dr. Dirk Gansert	
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: ab 1	
Maximale Studierendenzahl: nicht begrenzt		

Georg-August-Universität Göttingen Modul P.Biodiv.02: Advanced scientific qualification in theory and practice <i>English title: Advanced scientific qualification in theory and practice</i>		6 C 4 SWS
Lernziele/Kompetenzen: The students <ol style="list-style-type: none"> 1. deepen their knowledge in theory and practice required for the feasibility of their dissertation; 2. learn to acquire new knowledge and practical skills; 3. learn to differentiate among different research subjects related to their field of research and deduce relevant and critical questions of their research; 4. develop appropriate experiments and designs of investigations with up-to-date methods in order to answer the hypotheses of the PhD research project. 		Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Subject-specific lectures, seminars and practical training courses in the research field of the dissertation (In agreement with the Thesis Committee adequate modules of MSc-study programmes of the own or related disciplines can be fulfilled. Further, external training courses for new methods or interdisciplinary seminars across different PhD study programmes.)		4 SWS
Prüfung: Arbeitsbericht (max. 6 Seiten)		6 C
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: PD Dr. Dirk Gansert	
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: ab 1	
Maximale Studierendenzahl: nicht begrenzt		

Georg-August-Universität Göttingen Modul P.Biodiv.03: Scientific teaching <i>English title: Scientific teaching</i>		3 C 2 SWS
Lernziele/Kompetenzen: The students <ol style="list-style-type: none"> 1. conceive and organise an own teaching unit under instruction (e.g. seminar), and supervise undergraduate or graduate students in practicals, seminars or in BSc- or MSc-theses; 2. define the goals and the contents of the teaching; 3. acquire knowledge in planning and organisation of teaching units; 4. acquire knowledge of the didactics in scientific teaching; 5. acquire competencies in critical reflection about their own teaching skills supported by the students' evaluation; 6. widen their scientific background and strengthen their scientific knowledge. 		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 62 Stunden
Lehrveranstaltungen: 1. Performance of an own 2 WLH teaching unit (seminar, tutorial, practical course or time-equivalent block-unit) <i>or</i> 2. Supervision of a MSc-thesis or two BSc-theses		2 SWS
Prüfung: Bericht (max. 6 Seiten) Prüfungsanforderungen: reflection on the supervision, teaching, and the performance of the teaching-unit		3 C
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: PD Dr. Dirk Gansert	
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: ab 1	
Maximale Studierendenzahl: nicht begrenzt		

Georg-August-Universität Göttingen Modul P.Biodiv.04: Scientific presentation and communication <i>English title: Scientific presentation and communication</i>	4 C
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Lernziele/Kompetenzen: The students <ol style="list-style-type: none"> 1. summarize the results of their research project and present these in conferences; 2. are able to communicate and to defend a scientific point of view of their own research; 3. train their ability to causally argue and to handle critique in controversial discussions with colleagues; 4. become acquainted with the international scientific community; 5. learn to integrate their field of research into a broader scientific context. 	Arbeitsaufwand: Präsenzzeit: 42 Stunden Selbststudium: 78 Stunden
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Lehrveranstaltung: Scientific contributions (talks and/or poster presentation) in at least two national or international conferences	
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Prüfung: jeweils Vortrag (ca. 20 Minuten) oder Poster-Präsentation und Diskussion	4 C
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Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Englisch	Modulverantwortliche[r]: PD Dr. Dirk Gansert
Angebotshäufigkeit: jedes Semester	Dauer: 2 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: ab 1
Maximale Studierendenzahl: nicht begrenzt	

Georg-August-Universität Göttingen Modul P.Biodiv.05: Key competencies <i>English title: Key competencies</i>		6 C 4 SWS
Lernziele/Kompetenzen: The students <ol style="list-style-type: none"> learn interdisciplinary methods and key competencies as further qualifications for their professional career like project and time management, organisation of workflows, scientific writing, techniques of presentation, didactics, leading and intercultural competencies etc.; develop competencies in languages, factual knowledge, methodological, social, and personal skills. 		Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Courses In agreement with their Thesis Committee the students select specific courses to improve their qualifications in key competencies which contribute to their PhD project or professional career planning. They can use the university-wide offer of key competence modules as well as other institutions, which offer specific trainee-programs or training courses.		4 SWS
Prüfung: Arbeitsbericht (max. 6 Seiten)		6 C
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: PD Dr. Dirk Gansert	
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: ab 1	
Maximale Studierendenzahl: nicht begrenzt		