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***This translation is provided solely as a courtesy to international students and applicants.  
Reliance in law may only be placed upon the official German version of these Regulations.***

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<b>Georg-August-Universität, Göttingen</b> <b>Module P.Che.1001: Forschung reflektieren und präsentieren (lokal)</b>	<b>6 C</b> <b>7 WLH</b>
<p>Learning objectives/competencies:  The doctoral students ...</p> <ul style="list-style-type: none"> <li>- shall critically appraise their research project and the literature relevant to their research area;</li> <li>- shall when necessary select relevant examples from literature and shall put forward said examples in the framework of brief talks and poster presentations (German, English);</li> <li>- can suitably assess and interpret results and deduce conclusions for use in future questions;</li> <li>- consider the rules of good scientific practice;</li> <li>- learn to critically review scientific publications;</li> <li>- independently develop issues based on current literature, assess their relevance and pursue their clarification systematically;</li> <li>- enlarge upon theoretical knowledge and methodology they need for their dissertation;</li> <li>- learn how to independently acquire and apply new knowledge and skills;</li> <li>- distinguish research topics from one another and derive relevant research questions that can be empirically verified based on the state of the research;</li> <li>- communicate complex scientific issues in a style that suits the recipients;</li> <li>- select reasoned results of own scientific work for presentation and discuss these results critically;</li> <li>- assign own results of the doctoral project a suitable place within current discussions in the research area and reflect on their relevance;</li> <li>- have a firm grasp of project and report-based time management;</li> <li>- be familiar with fundamental elements of scientific presentation and/or a poster presentation;</li> <li>- acquire the skills to present and discuss own research results before a knowledgeable audience within the framework of a specialist lecture and poster presentation in a seminar course or at a local conference;</li> <li>- gain in-depth knowledge in subject-specific areas of knowledge and current research directions through participation in scientific colloquia/conferences;</li> <li>- follow up scientific talks at specialist conferences;</li> <li>- critically appraise the theoretical and methodical approaches taken in other research projects and thereby reflect on the own research project;</li> <li>- enlarge on skills to engage in scientific appraisal and discourse within the framework of academic events of research-based relevance in a research area.</li> </ul>	<p>Workload  Contact hours  98 hours  Self-study  82 hours</p>
<p>Course:  Working group seminar course and meetings with the thesis committee</p>	6 WLH
<p>Course:  Colloquia at the Faculty of Chemistry</p>	1 WLH
<p>Examination prerequisites:  Regular attendance at the working group seminar course in which the dissertation will be prepared; hold 2 talks (each approx. 25 min.+discussion) in this working group seminar course; proof of at least 3 "annual meetings" with the thesis committee; proof of attendance for at least 12 specialist talks (colloquia); proof of own scientific presentations;  hold 1 talk in an inter-working group seminar course or at least one local</p>	

conference (e.g. the Göttingen Chemistry Forum) and present 2 posters.		
Performance record prerequisites: Portfolio on experience in the area of scientific communication (max. 2 pages), ungraded  Performance requirements: Reflection on the presentation of results from the candidate's doctoral project as the doctoral studies progress (possibly presentation of outstanding questions, planning of further procedure) as well as on the specialist talks attended.		
Qualifications for entry:	Recommended prior knowledge:	
None	None	
Language:	Module manager:	
German, English	Dean of Studies	
Frequency of course:	Duration:	
Each semester	6 semesters	
Reassessment:	Recommended subject semester:	
Three times	from semester 1	
Maximum number of students:		
Unlimited		

<b>Georg-August-Universität Göttingen</b> <b>Module P.Che.1002: Forschung reflektieren und präsentieren</b> <b>(national)</b>	<b>7 C</b> <b>7 WLH</b>
<p>Learning objectives/competencies:  The doctoral students ...</p> <ul style="list-style-type: none"> <li>- shall critically appraise their research project and the literature relevant to their research area;</li> <li>- shall when necessary select relevant examples from literature and shall put forward said examples in the framework of brief talks and poster presentations (German, English);</li> <li>- can suitably assess and interpret results and deduce conclusions for use in future questions;</li> <li>- consider the rules of good scientific practice;</li> <li>- learn to critically review scientific publications;</li> <li>- independently develop issues based on current literature, assess their relevance and pursue their clarification systematically;</li> <li>- enlarge upon theoretical knowledge and methodology they need for their dissertation;</li> <li>- learn how to independently acquire and apply new knowledge and skills;</li> <li>- distinguish research topics from one another and derive relevant research questions that can be empirically verified based on the state of the research;</li> <li>- communicate complex scientific issues in a style that suits the recipients;</li> <li>- select reasoned results of own scientific work for presentation and discuss these results critically;</li> <li>- assign own results of the doctoral project a suitable place within current discussions in the research area and reflect on their relevance;</li> <li>- have a firm grasp of project and report-based time management;</li> <li>- be familiar with fundamental elements of scientific presentation and/or a poster presentation;</li> <li>- acquire the skills to present and discuss own research results before a knowledgeable audience within the framework of a specialist lecture and poster presentation in a seminar course or at a national conference;</li> <li>- gain in-depth knowledge in subject-specific areas of knowledge and current research directions through participation in scientific colloquia/conferences;</li> <li>- follow up scientific talks at specialist conferences;</li> <li>- critically appraise the theoretical and methodical approaches taken in other research projects and thereby reflect on the own research project;</li> <li>- enlarge on skills to engage in scientific appraisal and discourse within the framework of academic events of research-based relevance in a research area.</li> </ul>	<p>Workload  Contact hours  98 hours  Self-study  112 hours</p>
Course: Working group seminar course and meetings with the thesis committee	6 WLH
Course: Colloquia at the Faculty of Chemistry	1 WLH
<p>Examination prerequisites:  Regular attendance at the working group seminar course in which the dissertation will be prepared; hold 2 talks (each approx. 25 min.+discussion) in this working group seminar course; proof of at least 3 "annual meetings" with the thesis committee; proof of attendance for at least 12 specialist talks (colloquia);</p>	

proof of own scientific presentations; hold 1 talk in an inter-working group seminar course or at least one local conference (e.g. the Göttingen Chemistry Forum) and present 1 poster and hold 1 talk at least one national conference.	
Performance record prerequisites: Portfolio on experience in the area of scientific communication (max. 2 pages), ungraded  Performance requirements: Reflection on the presentation of results from the candidate's doctoral project as the doctoral studies progress (possibly presentation of outstanding questions, planning of further procedure) as well as on the specialist talks attended.	

Qualifications for entry: None	Recommended prior knowledge: None
Language: German, English	Module manager: Dean of Studies
Frequency of course: Each semester	Duration: 6 semesters
Reassessment: Three times	Recommended subject semester: from semester 1
Maximum number of students: Unlimited	

<b>Georg-August-Universität Göttingen</b> <b>Module P.Che.1003: Forschung reflektieren und präsentieren</b> <b>(international)</b>	<b>9 C</b> <b>7 WLH</b>
<p>Learning objectives/competencies:  The doctoral students ...</p> <ul style="list-style-type: none"> <li>- shall critically appraise their research project and the literature relevant to their research area;</li> <li>- shall when necessary select relevant examples from literature and shall put forward said examples in the framework of brief talks and poster presentations (German, English);</li> <li>- can suitably assess and interpret results and deduce conclusions for use in future questions;</li> <li>- consider the rules of good scientific practice;</li> <li>- learn to critically review scientific publications;</li> <li>- independently develop issues based on current literature, assess their relevance and pursue their clarification systematically;</li> <li>- enlarge upon theoretical knowledge and methodology they need for their dissertation;</li> <li>- learn how to independently acquire and apply new knowledge and skills;</li> <li>- distinguish research topics from one another and derive relevant research questions that can be empirically verified based on the state of the research;</li> <li>- communicate complex scientific issues in a style that suits the recipients;</li> <li>- select reasoned results of own scientific work for presentation and discuss these results critically;</li> <li>- assign own results of the doctoral project a suitable place within current discussions in the research area and reflect on their relevance;</li> <li>- have a firm grasp of project and report-based time management;</li> <li>- be familiar with fundamental elements of scientific presentation and/or a poster presentation;</li> <li>- acquire the skills to present and discuss own research results before a knowledgeable audience within the framework of a specialist lecture and poster presentation in a seminar course or at a national conference and an international conference;</li> <li>- gain in-depth knowledge in subject-specific areas of knowledge and current research directions through participation in scientific colloquia/conferences;</li> <li>- follow up scientific talks at specialist conferences;</li> <li>- critically appraise the theoretical and methodical approaches taken in other research projects and thereby reflect on the own research project;</li> <li>- enlarge on skills to engage in scientific appraisal and discourse within the framework of academic events of research-based relevance in a research area;</li> <li>- learn as necessary how to acquire third-party funding to finance attendance of an international specialist conference.</li> </ul>	<p>Workload</p> <p>Contact hours 98 hours</p> <p>Self-study 172 hours</p>
<p>Course: Working group seminar course and meetings with the thesis committee</p>	<p>6 WLH</p>
<p>Course: Colloquia at the Faculty of Chemistry</p>	<p>1 WLH</p>
<p>Examination prerequisites: Regular attendance at the working group seminar course in which the</p>	

<p>dissertation will be prepared; hold 2 talks (each approx. 25 min.+discussion) in this working group seminar course; proof of at least 3 "annual meetings" with the thesis committee; proof of attendance for at least 12 specialist talks (colloquia);</p> <p>proof of own scientific presentations;</p> <p>hold 1 talk in an inter-working group seminar course or at least one local conference (e.g. the Göttingen Chemistry Forum) and</p> <p>present 1 poster,</p> <p>hold 1 at an at least national conference and</p> <p>1 talk at an international conference.</p>	
<p>Performance record prerequisites:</p> <p>Portfolio on experience in the area of scientific communication (max. 2 pages), ungraded</p> <p>Performance requirements:</p> <p>Reflection on the presentation of results from the candidate's doctoral project as the doctoral studies progress (possibly presentation of outstanding questions, planning of further procedure) as well as on the specialist talks attended.</p>	

Qualifications for entry: None	Recommended prior knowledge: None
Language: German, English	Module manager: Dean of Studies
Frequency of course: Each semester	Duration: 6 semesters
Reassessment: Three times	Recommended subject semester: from semester 1
Maximum number of students: Unlimited	

Georg-August-Universität Göttingen Module P.Che.1004: Wissenschaftliche Lehre	9 C 6 WLH
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<p>Learning objectives/competencies: The doctoral students</p> <ul style="list-style-type: none"> <li>• prepare the contents of courses for advanced students under the instruction and supervision of PostDocs at the faculty, and then support students during seminar courses, exercises or internships</li> <li>• prepare objectives/learning objectives for the teaching units; instruct student assistants working in the same module and accept upstream organisational tasks within the framework of the module</li> <li>• therefore acquire skills in the planning and organisation of courses</li> <li>• are familiar with didactic support methods in scientific teaching</li> <li>• acquire skills required to reflect critically on one's own teaching</li> <li>• enlarge on their scientific horizon.</li> </ul>	<p>Workload Contact hours 84 hours Self-study 186 hours</p>
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<p>Performance record: final report (max. 2 pages) to reflect on the understanding of teaching and the sequence of a course acquired during the doctoral process: meetings with assistants Examination prerequisites: Contribution to the completion of a various types of courses as coordinated with the responsible teachers in order to acquire the aforementioned competencies; active participation in the corresponding meetings with assistants.</p>	
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Qualifications for entry: None	Recommended prior knowledge: Teaching experience, e.g. as student assistant during the bachelor and/or master degree programme
Language: German, English	Module manager: Dean of Studies
Frequency of course: Each semester	Duration:
Reassessment: Twice	Recommended subject semester:
Maximum number of students: unlimited"	