

<b>Module Title: Advanced scientific writing and communication</b>							
<b>Module ID/Code:</b> NPW-007 [780800070]							
<b>1. Content and intended learning outcomes</b>							
<b>Learning content:</b>	I. For all students that participate in this 'frame module': - Lectures to teach literature search, scientific reading, "dos and don'ts" in scientific presentation and proposal writing II. Specific for individual project groups: - Introductory lectures into research topic (e.g. 'recent advances in plant nutrition'), short overview of recent developments in the field - Presentation of a high profile original research paper by each student with short own critical points on the paper followed by a public discussion of paper and presentation - Development of a research proposal based on the presented research paper - Peer review panel on individual research proposal by students ('Übungen' in subgroups with supervisor) - Public defense of research proposal and public defense of peer review (i.e. each student has three presentations: original paper and grant proposal on 'own paper' and review of another students grant proposal)						
<b>Learning outcomes</b>							
After a successful completion of the course, the students... - obtain an overview of a specific research field. - learn and apply softskills on literature search, scientific reading, presentation and proposal writing. - peer review of a grant proposal. - communicate and discuss findings and evaluations with colleagues/other students. - develop own grant proposal.							
<b>2. Prerequisites</b>							
<b>obligatory</b>							
<b>recommended</b>	Module "Scientific communication"						
<b>Maximum number of students</b>							
<b>3. Study program allocation</b>							
<b>Study program</b>						<b>Compulsory/ Elective</b>	<b>Semester</b>
M.Sc. Crop Sciences						C	3.
<b>4. Teaching and learning methodes</b>							
Type of course	Interval	Topic	Language of instruction	Group size	SWS	Workload [h]	
						Contact time	Self-study
L	during the semester	Recent advances in... (e.g. Plant Nutrition)	English	24	0,5	8,0	22,0
SG*	during the semester	Reading of article and writing of proposal	English	6	1,0	15,0	45,0
PS*	during the semester	Peer Review Panel (proposal)	English	6	1,0	15,0	45,0
S*	during the semester	Presentation and discussion of research papers	English	24	1,0	15,0	15,0
<b>5. Course cycle</b>			<b>6. Workload [h]</b>		<b>7. Duration</b>		<b>8. Credits (ECTS)</b>
WS/SS			180		1		6,0

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<b>9. Requirements for the rewarding of credits (ECTS)</b>				
Types of Assessment	Prerequisites for admission to the Assessment	Graded yes/no	Language (exam)	Weighting factor
Presentation [780800079]		graded	English	60%
Project work [780800078]	Presence in: > 3 lectures, one review panel and all but two student presentations	not graded	English	20%
Presentation [780800077]		graded	English	20%
<b>Academic Achievements</b>				
<b>10. Module coordination</b>				
<b>Module coordinator</b>				
Prof. Dr. Gabriel Schaaf				
<b>Teaching person</b>				
NN; NN; Prof. Dr. Gabriel Schaaf; NN; Prof. Dr. Mathias Becker				
<b>Institute/ Department</b>				
Agrar-, Forst- und Ernährungswissenschaften				
<b>11. Further information</b>				
This module includes project groups from all research groups associated with the M.Sc. Crop Sciences				