

module code /
module title

MasThes / Module Master Thesis

 date / version of the module
description 25.05.2022

1 INFORMATION ON THE MODULE	
1a	module code MasThes
1b	module title (German title) Modul Masterarbeit
1c	module title (English title) Module Master Thesis
1d	credit points 30
1e	responsible for the module Prof. Dr. Martin Diekmann
1f	type of module compulsory module
1g	programs using the module M.Sc. Ecology
1h	organizational unit offering the module Klicken Sie hier, um Text einzugeben.
1i	content-related prior knowledge or skills Klicken Sie hier, um Text einzugeben.
1j	learning contents <p>The module Master Thesis aims at the training and individual independent performance of a research project under supervision of a senior scientist in the framework of inquiry-based learning. The master thesis project is supervised and conducted under the conditions of the respective department at the University of Bremen and the examination regulations of the respective study programme.</p> <p>The Module Master Thesis includes:</p> <ul style="list-style-type: none"> • Definition of an independent ecological research theme • Planning and discussion of the contents and the time frame of the research work in lab meetings

		<ul style="list-style-type: none"> Realization of the research project: practical preparation, sampling of data, statistical analysis, structuring and writing of the thesis under the guidance of supervisor(s) <p>The module includes compulsory elective choices (Wahlpflicht WP) of 24 weeks (or upon request 28 weeks) duration:</p> <p>WP1: The practical work is conducted in a research group at the University of Bremen, usually at the Institute of Ecology.</p> <p>WP2: The practical work is conducted as an internship student integrated in an external national or international research group.</p>																																
1k	learning outcomes/ competencies/ targeted competencies	<ul style="list-style-type: none"> Students can implement their scientific knowledge and methodological competences in the field of ecology to independently carry out a research project They can sample and analyse ecological data and report and interpret them in a written thesis They have the competences necessary to apply for and conduct a PhD project and to enter into a future scientific career: <ul style="list-style-type: none"> They can independently identify, address and investigate scientific problems using a research-based approach. They are able to present and discuss the results of a scientific investigation professionally. 																																
1l	calculation of student workload (part a: calculation of presence time and working hours)	<p>The total amount of the presence time and working hours of the module has to be calculated additionally in the detailed calculation a) to c).</p> <p>a) detailed calculation: SWS / presence time/working hours in each course of the module</p> <table border="1" data-bbox="486 1198 1560 1971"> <tr> <td><input type="checkbox"/></td> <td>lecture(s) with</td> <td>SWS/ contact hours</td> <td>hours of presence time</td> </tr> <tr> <td><input type="checkbox"/></td> <td>seminar(s) with</td> <td>SWS/ contact hours</td> <td>hours of presence time</td> </tr> <tr> <td><input type="checkbox"/></td> <td>exercise(s) with</td> <td>SWS/ contact hours</td> <td>hours of presence time</td> </tr> <tr> <td><input type="checkbox"/></td> <td>internship(s) with</td> <td>sum of working hours</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>seminar(s) with</td> <td>SWS/ contact hours</td> <td>total hours of presence time</td> </tr> <tr> <td><input type="checkbox"/></td> <td>laboratory/laboratories with</td> <td>SWS/ contact hours</td> <td>total hours of presence time</td> </tr> <tr> <td><input type="checkbox"/></td> <td>tutorial(s) with</td> <td>SWS/ contact hours</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>excursion(s) with</td> <td>SWS contact hours in total</td> <td>working hours</td> </tr> </table>	<input type="checkbox"/>	lecture(s) with	SWS/ contact hours	hours of presence time	<input type="checkbox"/>	seminar(s) with	SWS/ contact hours	hours of presence time	<input type="checkbox"/>	exercise(s) with	SWS/ contact hours	hours of presence time	<input type="checkbox"/>	internship(s) with	sum of working hours		<input type="checkbox"/>	seminar(s) with	SWS/ contact hours	total hours of presence time	<input type="checkbox"/>	laboratory/laboratories with	SWS/ contact hours	total hours of presence time	<input type="checkbox"/>	tutorial(s) with	SWS/ contact hours		<input type="checkbox"/>	excursion(s) with	SWS contact hours in total	working hours
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		<input type="checkbox"/> other form of course (e.g. block seminar), namely this: Klicken Sie hier, um Text einzugeben. with SWS / with totally contact hours <input type="checkbox"/> presence time <input type="checkbox"/> working hours = sum of presence time and working hours: 0 hours
	calculation of student workload <i>(part b: preparation time and follow-up work/self-study)</i>	b) working hours for preparation/follow-up work of the course(s) and/or self-study = sum of working hours: <ul style="list-style-type: none"> Exercises: 86 hours 86 hours in total
	calculation of student workload <i>(part c: exam preparation etc.)</i>	c) exam preparation (incl. examination) = sum of working hours: 814 hours
	calculation of student workload <i>(total amount of hours including a) - c))</i>	Total amount of the presence time and working hours a) to c): 900 hours
1m	description of possible optional courses in the module	<u>Can a student choose between different courses within the module?</u> YES <u>Short description of selection option</u> The module includes compulsory elective choices (Wahlpflicht WP) of 24 weeks (or upon request 28 weeks) duration: WP1: The practical work is conducted in a research group at the University of Bremen, usually at the Institute of Ecology. WP2: The practical work is conducted as an internship student integrated in an external national or international research group.
1n	language(s) of instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> French <input type="checkbox"/> Other, namely this: Klicken Sie hier, um Text einzugeben.

1o	frequency	<p><i>(regular cycle module is offered) e.g.: winter semester, yearly or summer semester, yearly or each semester</i></p> <p>summer semester yearly</p> <p>Klicken Sie hier, um Text einzugeben.</p>
1p	duration	<p>Other, namely this:</p> <p>One semester</p>
1q	Literature <i>(optional)</i>	<p>Klicken Sie hier, um Text einzugeben.</p>
1r	more information on the module <i>(optional)</i>	<p>Instructors: All lecturers of the M.Sc. programme of Ecology</p>
<p>2 INFORMATION ON THE MODULE EXAMINATION (see also AT Art. 5 section 8)</p>		
2a	type of examination	<p><input checked="" type="checkbox"/> module exam; i.e. exam with only one component (MP)</p> <p><input type="checkbox"/> combination exam, i.e. exam with several components (administered by instructors) (KP)</p> <p><input type="checkbox"/> partial exam; i.e. exam with several components (administered by registrar) (TP)</p>
2b	exam components or prerequisites <i>(type, number)</i>	<p><i>PL = graded component of the examination</i> <i>SL = ungraded component of the examination, coursework</i> <i>PVL = prerequisite of the examination (see AT Art. 5 Section 10)</i></p> <p><input checked="" type="checkbox"/> PL 2 <input type="checkbox"/> SL <input type="checkbox"/> PVL justification</p> <p>If necessary, further explanations:</p>
2c	Give this information for combination examinations only: Weights (in percentage) of component grades	<p>PL 1: Master Thesis (75 %)</p> <p>PL 2: Colloquium (25 %)</p> <p>PL 3: Klicken Sie hier, um Text einzugeben.</p> <p>PL 4: Klicken Sie hier, um Text einzugeben.</p> <p>If necessary, further comments:</p> <p>Klicken Sie hier, um Text einzugeben.</p>
2d	form of examination (see AT BPO/AT MPO Art. 8, 9 and 10)	<p><input type="checkbox"/> Assignment <input type="checkbox"/> Oral examination (single) <input type="checkbox"/> Presentation, oral</p> <p><input type="checkbox"/> Written examination <input type="checkbox"/> Group examination, oral <input type="checkbox"/> Presentation and written assignment</p> <p><input type="checkbox"/> Portfolio <input type="checkbox"/> Project report <input type="checkbox"/> Bachelor Thesis</p> <p><input type="checkbox"/> Internship report <input checked="" type="checkbox"/> Colloquium <input checked="" type="checkbox"/> Master Thesis</p> <p><input type="checkbox"/> Other (concrete definition is given in the examination regulations):</p> <p>Klicken Sie hier, um Text einzugeben.</p>

2e

language(s)
of instruction

German English Spanish French

Other, namely this:

Klicken Sie hier, um Text einzugeben.