

module code /
 module title

InsEco/Insect Ecology and Biodiversity

 date / version of the module
 description

22.05.22

1 INFORMATION ON THE MODULE		
1a	module code	InsEco
1b	module title (German title)	Ökologie und Biodiversität der Insekten
1c	module title (English title)	Insect Ecology and Biodiversity
1d	credit points	6
1e	responsible for the module	Prof. Dr. Marko Rohlf
1f	type of module	elective 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	Prior completion of Experimental Design and Data Analysis, Population Ecology and Community Ecology is recommended
1j	learning contents	<ul style="list-style-type: none"> ○ Insect functional trait diversity and ecosystem service ○ Insect community composition and species interactions ○ Habitat heterogeneity, plant and insect diversity ○ Human impact, habitat management, and insect conservation ○ Insect sampling and identification

1k	learning outcomes/ competencies/ targeted competencies	<p>Students will be able to</p> <ul style="list-style-type: none"> ○ evaluate the impact of environmental/anthropogenic habitat changes on insect populations, species interactions and associated ecosystem services ○ link population, community and landscape ecology concepts to develop insect conservation measures that contribute to a sustainable use of terrestrial ecosystems ○ apply appropriate sampling and identification techniques to assess the dynamics of insect functional diversity in response to environmental change and insect management
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1l	calculation of student workload <i>(part a: calculation of presence time and working hours)</i>	<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" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">lecture(s) with</td> <td></td> <td style="text-align: center;">SWS/ contact hours</td> <td style="text-align: center;">hours of presence time</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;">1 seminar(s) with</td> <td style="text-align: center;">1</td> <td style="text-align: center;">SWS/ contact hours</td> <td style="text-align: center;">14 hours of presence time</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">exercise(s) with</td> <td></td> <td style="text-align: center;">SWS/ contact hours</td> <td style="text-align: center;">hours of presence time</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">internship(s) with</td> <td></td> <td style="text-align: center;">sum of working hours</td> <td></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">seminar(s) with</td> <td></td> <td style="text-align: center;">SWS/ contact hours</td> <td style="text-align: center;">total hours of presence time</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;">1 laboratory/laboratories with</td> <td style="text-align: center;">4</td> <td style="text-align: center;">SWS/ contact hours</td> <td style="text-align: center;">56 total hours of presence time</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">tutorial(s) with</td> <td></td> <td style="text-align: center;">SWS/ contact hours</td> <td></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">excursion(s) with</td> <td></td> <td style="text-align: center;">SWS contact hours in total</td> <td style="text-align: center;">working hours</td> </tr> </table> <p><input type="checkbox"/> other form of course (e.g. block seminar), namely this:</p> <p>Klicken Sie hier, um Text einzugeben.</p> <p style="text-align: right;">with SWS / with total contact hours <input type="checkbox"/> presence time <input type="checkbox"/> working hours</p> <p>= sum of presence time and working hours:</p> <p style="text-align: center;">70</p>	<input type="checkbox"/>	lecture(s) with		SWS/ contact hours	hours of presence time	<input checked="" type="checkbox"/>	1 seminar(s) with	1	SWS/ contact hours	14 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 checked="" type="checkbox"/>	1 laboratory/laboratories with	4	SWS/ contact hours	56 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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	<p>calculation of student workload</p> <p><i>(part b: preparation time and follow-up work/self-study)</i></p>	<p>b) working hours for preparation/follow-up work of the course(s) and/or self-study</p> <p>= sum of working hours:</p> <p>40</p>
	<p>calculation of student workload</p> <p><i>(part c: exam preparation etc.)</i></p>	<p>c) exam preparation (incl. examination)</p> <p>= sum of working hours:</p> <p>70</p>
	<p>calculation of student workload</p> <p><i>(total amount of hours including a) - c))</i></p>	<p>Total amount of the presence time and working hours a) to c):</p> <p>180</p>
1m	<p>description of possible optional courses in the module</p>	<p><u>Can a student choose between different courses within the module?</u></p> <p>NO</p> <p><u>Short description of selection option</u></p> <p>Klicken Sie hier, um Text einzugeben.</p>
1n	<p>language(s) of instruction</p>	<p><input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> French</p> <p><input type="checkbox"/> Other, namely this:</p> <p>Klicken Sie hier, um Text einzugeben.</p>
1o	<p>frequency</p>	<p><i>(regular cycle module is offered) e.g.: winter semester, yearly or summer semester, yearly or each semester</i></p> <p>winter semester yearly</p> <p>Klicken Sie hier, um Text einzugeben.</p>
1p	<p>duration</p>	<p>Other, namely this:</p> <p>Three-week block course (including the examination), Tue-Fri</p>
1q	<p>Literature <i>(optional)</i></p>	<p>Klicken Sie hier, um Text einzugeben.</p>
1r	<p>more information on the module <i>(optional)</i></p>	<p>Instructor: Marko Rohlf</p>
2	<p>INFORMATION ON THE MODULE EXAMINATION (see also AT Art. 5 section 8)</p>	
2a	<p>type of examination</p>	<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 (type, number)	<p><i>PL</i> = graded component of the examination <i>SL</i> = ungraded component of the examination, coursework <i>PVL</i> = prerequisite of the examination (see AT Art. 5 Section 10)</p> <p><input checked="" type="checkbox"/> PL 1 <input type="checkbox"/> SL <input type="checkbox"/> PVL justification</p> <p>If necessary, further explanations:</p> <p>Klicken Sie hier, um Text einzugeben.</p>
2c	Give this information for combination examinations only: Weights (in percentage) of component grades	<p>PL 1: Klicken Sie hier, um Text einzugeben.</p> <p>PL 2: Klicken Sie hier, um Text einzugeben.</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 checked="" 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 type="checkbox"/> Colloquium <input 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	<p><input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> French</p> <p><input type="checkbox"/> Other, namely this:</p> <p>Klicken Sie hier, um Text einzugeben.</p>