

module code / module title

ConcEcol / Concepts of Ecology

date / version of the module description

25.05.2022

1	INFORMATION ON THE MODULE				
1a	module code	ConcEcol			
1b	module title (German title)	Konzepte der Ökologie			
1c	module title (English title)	Concepts of Ecology			
1d	credit points	6			
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.			
1 j	learning contents	 Important concepts in different sub-disciplines of ecology Levels of ecological studies from autecology to ecosystems Autecology: life forms, responses of species along resource gradients, range size and local distribution Population ecology: population growth and intraspecific competition, interspecific competition, plant-animal interactions Community ecology: species assemblages, biodiversity, impacts of habitat and climate change, invasions Ecosystems: Energy flow and nutrient cycles, eutrophication 			

1k	learning outcomes/ competencies/ targeted competencies	 Th me Th app and the force Th force Th Th 	udents have a basic overvey can identify suitable ethods to answer research ey understand that ecoloproach, neglecting the introduced biotic environment ey can take responsibility from literature search to dal presentation ey comprehend that the conciples	and appro questions of gical probleticate interactions in a group wata extraction	opriate, observational related to both basic an ems cannot be solved ctions between organiswork to tackle ecologica on — and to translate	and experimental, and applied ecology I by a reductionistic sms and their abiotic I research questions this work into a joint
		a) detailed of	mount of the presence to additionally in the detail calculation: resence time/working hor	ed calculat	tion a) to c). n course of the modu SWS/	le 4 hours
		⊠ 1	seminar(s) with	1	SWS/ contact hours	of presence time hours of presence time
		⊠ 1	exercise(s) with	1	SWS/ contact hours	hours of presence time
11	calculation of student workload (part a: calculation of presence time and working hours)		internship(s) with		sum of working hours	
			seminar(s) with		SWS/ contact hours	total hours of presence time
			laboratory/laboratories with		SWS/ contact hours	total hours of presence time
			tutorial(s) with		SWS/ contact hours	
			excursion(s) with		SWS contact hours in total	working hours
		□ other form of course (e.g. block seminar), namely this:				
		Klicken Sie hier, um Text einzugeben.				
		with	SWS / with totaly		contact present	ence time working hours

b) working hours for preparation/follow-up work of the course(s) and/or self-study						
b) working hours for preparation/follow-up work of the course(s) and/or self-study						
= sum of working hours:						
calculation • Lecture: 14 hours						
of student workload						
(part b: preparation time and						
follow-up work/self-study) • Exercises: 14 hours						
68 hours in total						
c) exam preparation (incl. examination)						
calculation = sum of working hours:						
(part c: exam preparation						
etc.)						
70 hours						
calculation						
of student workload Total amount of the presence time and working hours a) to c):						
(total amount of hours including a) - c))	180 hours					
Can a student choose between different courses within the module?						
description of possible NO						
1m optional courses in the module Short description of selection option						
module						
Klicken Sie hier, um Text einzugeben.						
☐ German ☐ English ☐ Spanish ☐ French						
language(s) Other namely this:						
of instruction Klicken Sie hier, um Text einzugeben.						
(regular cycle module is offered) e.g.: winter semester, yearly or summer semester, yearly or each semester						
10 frequency winter semester yearly						
Klicken Sie hier, um Text einzugeben.						
choose an option						
1p duration						
three weeks (including the examination)						

1q	Literature (optional)	Klicken Sie hier, um Text einzugeben.					
1r	more information on the module (optional)	Instructor: Martin Diekmann					
2	INFORMATION ON THE	MODULE EXAMINATION (see also AT Art. 5 section 8)					
2 a	type of examination	 □ module exam; i.e. exam with only one component (MP) □ combination exam, i.e. exam with several components (administered by instructors) (KP) □ partial exam; i.e. exam with several components (administered by registrar) (TP) 					
2b	exam components or prerequisites (type, number)	PL = graded component of the examination SL = ungraded component of the examination, coursework PVL = prerequisite of the examination (see AT Art. 5 Section 10) □ PVL justification If necessary, further explanations: PL = Written examination, SL = oral presentation					
2c	Give this information for combination examinations only: Weights (in percentage) of component grades	PL 1: Klicken Sie hier, um Text einzugeben. PL 2: Klicken Sie hier, um Text einzugeben. PL 3: Klicken Sie hier, um Text einzugeben. PL 4: Klicken Sie hier, um Text einzugeben. If necessary, further comments: Klicken Sie hier, um Text einzugeben.					
2d	form of examination (see AT BPO/AT MPO Art. 8, 9 and 10)	□ Assignment □ Oral examination (single) ☑ Presentation, oral ☑ Written examination □ Group examination, oral □ Presentation and written assignment □ Portfolio □ Project report □ Bachelor Thesis □ Internship report □ Colloquium □ Master Thesis □ Other (concrete definition is given in the examination regulations): Klicken Sie hier, um Text einzugeben.					
2e	language(s) of instruction	☐ German ☐ English ☐ Spanish ☐ French ☐ Other, namely this: Klicken Sie hier, um Text einzugeben.					