

Module Name Seminar Ecology, Evolution and Environment						
Type of Module ○ Basic Module				Module Code Ecology Seminar		
Identification Number	Workload	Credit Points	Term	Offered Every	Start	Duration
MN-B-E 2	180 h	6 CP	1 st term of studying	Winter term	Winter term only	1 term
1	Course Types Seminar		Contact Time 60 h		Private Study 120 h	
2	Module Objectives and Skills to be Acquired Students who successfully completed this module <ul style="list-style-type: none"> • have acquired knowledge of field ecology, community ecology, invasive biology, behavioral ecology and fish biology. • have acquired knowledge of modern methods in ecological research. • have improved their knowledge on current aspects of evolutionary ecology in the fields of aquatic, terrestrial and chemical ecology. • gain knowledge in the presentation of research results in oral form and critical discussion of scientific publications related to the topic of the module on a professional level. • have the ability to transfer the skills acquired in this module to other fields of biology. 					
3	Module Content <ul style="list-style-type: none"> • Methods in ecology, invasive biology, freshwater biology and fish ecology • Behavioral ecology (seminar week in Cologne) • Ecological Colloquium (weekly seminar: researchers present recent scientific advances on varying topics in aquatic, terrestrial and chemical ecology as well as evolution) 					
4	Teaching Methods <ul style="list-style-type: none"> • Seminar; guidance to critical interpretation of literature; Training on presentation techniques in oral form 					
5	Prerequisites (for the Module) Enrollment in the Master's degree course "Master of Science in Ecology, Evolution and Environment"; Simultaneous participation in the lecture and tutorial module "Ecology, Evolution and Environment"					
6	Type of Examination Oral presentation (100 % of the total module mark)					
7	Credits Awarded Regular and active participation; Oral presentation at least "sufficient"					
8	Compatibility with other Curricula None					

9	Proportion of Final Grade 7.5 %
10	Module Coordinator Prof. Dr. Michael Bonkowski; phone 470 3152, e-mail: teach-ecology@uni-koeln.de
11	Further Information Participating faculty: Prof. Dr. M. Bonkowski, Prof. Dr. E. von Elert, Prof. Dr. P. Fink, Dr. M. Ilic, PD Dr. K. Lampert, Dr. F. Nitsche, Dr. H. Öztoprak, Dr. K. Scharnweber, Dr. A. Scherwaß Literature: <ul style="list-style-type: none">• Davies, N.B., Krebs, J.R., West, S.A. (2012) An Introduction to Behavioural Ecology. 4th edition, Wiley-Blackwell (University Textbook collection)• Information on additional textbooks and other reading material will be given on the ILIAS representation of the course (https://www.ilias.uni-koeln.de/ilias/goto_uk_cat_2815610.html) General time schedule: Weeks 1-14 (Wed.): Seminars (Ecological Colloquium) starting at 1:15 p.m.; Week 2 or 3 (Fri.-Sun.): Field seminar at the Ecological Research Station of the Institute of Zoology in Rees including oral presentations (exact dates will be given at the introduction to the module); Week 13 or 14: Seminar week in Cologne (starting an 2:00 p.m.) Introduction to the module: October 09, 2025 at 10:00 room -1.005,