

Module Name Seminar Ecology, Evolution and Environment						
Type of Module ○ Basic Module				Module Code Ecology Seminar		
Identification Number MN-B-E 2	Workload 180 h	Credit Points 6 CP	Term 1 st term of studying	Offered Every Winter term	Start Winter term only	Duration 1 term
1	Course Types Seminar		Contact Time 60 h	Private Study 120 h		Planned Group Size 12 students
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 Weekend seminar and excursions in Grietherbusch at the Ecological Research Station (field methods in ecology, invasive biology, freshwater biology and fish ecology) Seminar week in Cologne (behavioral ecology) Weekly seminar: Ecological Colloquium (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; Excursions; Training on presentation techniques in oral form 					
5	Prerequisites (for the Module) Enrollment in the Master´s degree course “Biological Sciences”; Simultaneous participation in the lecture and tutorial “Ecology, Evolution and Environment”					

6	<p>Type of Examination Oral presentation (100 % of the total module mark)</p>
7	<p>Credits Awarded Regular and active participation; Oral presentation at least “sufficient”</p>
8	<p>Compatibility with other Curricula None</p>
9	<p>Proportion of Final Grade 7.5 %</p>
10	<p>Module Coordinator Prof. Dr. Hartmut Arndt; phone 470 3100, e-mail: teach-ecology@uni-koeln.de</p>
11	<p>Further Information</p> <p>Participating faculty: Prof. Dr. H. Arndt, Prof. Dr. M. Bonkowski, apl. Prof. Dr. J. Borcharding, Dr. K. Dumack, Prof. Dr. E. von Elert, PD Dr. K. Lampert, Dr. F. Nitsche, Dr. C. Sánchez Arcos, Dr. A. Scherwaß, JProf. Dr. A.-M. Waldvogel</p> <p>Literature:</p> <ul style="list-style-type: none"> • Davies, Krebs, West “An Introduction to Behavioural Ecology” Wiley-Blackwell 4th edition 2012 (University Textbook collection) • Information about 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) <p>General time schedule:</p> <p>Weekend seminar in Grietherbusch: From Fri., October 21 at 14:00 to Son., October 23 at 16:00: Field seminar at the Ecological Research Station of the Institute of Zoology in Rees-Grietherbusch.</p> <p>Seminar week in Cologne: End of January (following the tutorial)</p> <p>Weekly seminar: every Wednesday 1:15 pm</p> <p>Introduction to the module: October 10, 2022 at 14:00 (further information see ILIAS folder).</p>