

<b>Module title</b>		<b>Abbreviation</b>
Global Change Biology		07-MGCB-242-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Animal Ecology and Tropical Biology		Faculty of Biology
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
<p>This block course provides students with a profound overview of the impacts of global change on biological systems, in the context of the global debate on sustainability. Using literature, media and data analyses as well as field trips and modelling, the significance of various anthropogenic influences (e.g. climate and land use change, pollution, invasive species) on species and ecosystems is examined. In interactive and interdisciplinary formats (e.g. expert discussions, role plays), the students will deepen what has been learned and options for action as well as sustainability concepts will be developed and discussed. Results are presented in a short poster presentation and discussed in an oral group examination.</p>		
<b>Intended learning outcomes</b>		
<p>At the end of the course, students will have a sound understanding of the situation of biological systems in the age of the Anthropocene as well as of the status of the global sustainability goals. They can apply analytical methods of global change ecology and evaluate the context-dependent importance of different drivers of global change. The students can develop options for action and discuss and evaluate their technical, political and social challenges in a differentiating manner.</p>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
Ü (5) Module taught in: English		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>a) written examination (30 to 60 minutes, including multiple choice questions) or  b) log (15 to 30 pages) or  c) oral examination of one candidate each (30 to 60 minutes) or  d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or  e) presentation (20 to 45 minutes)  Language of assessment: English</p>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
Teaching cycle: Once a year, summer semester		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Master's degree (1 major) Biosciences (2024)		