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|---|--------------------------|---|
| <b>Module title</b>   |                          | <b>Abbreviation</b>                         |
| Soil Ecology  |                          | 07-MSOI-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 course is a one-week block course. First, students get an introduction to soil biodiversity and soil ecology under global change and related to the sustainable use of anthropogenically-managed ecosystems. Afterwards, they learn how to assess and sample soil fauna communities (mesofauna, macrofauna, earthworms) in local habitats. Animals are sampled with adequate sampling techniques, extracted, and afterwards identified to the highest resolution possible. Finally, different habitats are compared based on their soil-fauna communities and the results will be contextualized among the existing literature.</p> |                          |   |
| <b>Intended learning outcomes</b>   |                          |   |
| <p>This course enables students to assess and understand soil biodiversity and ecology under global change. Students will be able to recognize the major players of local soil fauna and scientifically describe their communities.</p>   |                          |   |
| <b>Courses</b> (type, number of weekly contact hours, language — if other than German)  |                          |   |
| Ü (3)<br>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<br/> b) log (15 to 30 pages) or<br/> c) oral examination of one candidate each (30 to 60 minutes) or<br/> d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or<br/> e) presentation (20 to 45 minutes)<br/> 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)  |                          |   |
| --  |                          |   |
| <b>Module appears in</b>  |                          |   |
| Master's degree (1 major) Biosciences (2024)  |                          |   |