Module title
Specific Ecology and Ecophysiology of Plants (Practical Course and Seminar 2)

Abbreviation
07-MS3PÖF2-102-m01

Module coordinator
holder of the Chair of Ecophysiology and Vegetation Ecology

Module offered by
Faculty of Biology

ECTS
15

Method of grading
Only after succ. compl. of module(s)

1 (not) successfully completed

Duration
1 semester

Module level
graduate

Other prerequisites
Admission prerequisite to assessment: regular attendance of lab course and successful completion of the respective exercises as specified at the beginning of the course.

Contents
Students will work on projects taken from ongoing research in plant ecology and ecophysiology (e. g. plant-insect-, plant-fungus interactions; biogeography; characterisation of plant surfaces, cuticular barrier properties). They will do this work to a large extent on their own responsibility. Based on the results obtained, the ecophysiological, analytical, molecular biological and/or microbiological methods applied (e. g. measurement of transpiration, chromatography, mass spectrometry, fluorescence microscopy, PCR, cloning strategies) will be critically assessed and, where necessary, modified. Students will document and discuss the progress of their work and of the project as a whole in the form of a presentation, a publication or a term paper.

Intended learning outcomes
Students are able to scientifically work on a topic in plant ecophysiology. They are able to answer and to discuss questions asked in the field of chemical ecology. They are able to work according to good practice and to document, interpret and to discuss their results. They have developed the ability to apply specific techniques required to answer scientific questions.

Courses
S + P (no information on SWS (weekly contact hours) and course language available)

Method of assessment
Students will be informed about the length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (approx. 10 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 (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes).

Allocation of places
--

Additional information
--

Referred to in LPO I (examination regulations for teaching-degree programmes)
--

Module appears in
Master’s degree (1 major) Biology (2011)
Master’s degree (1 major) Biology (2010)
Master’s degree (1 major) Biology (2014)