

**Module 02-BIO-MA-InsEco: Insect Ecology and Biodiversity****Insect Ecology and Biodiversity****Assignment to areas of study:**

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**Content-related prior knowledge or skills:**

Prior completion of Experimental Design and Data Analysis, Population Ecology and Community Ecology is recommended.

**Learning content:**

- Insect functional trait diversity and ecosystem service
- Insect community composition and species interactions
- Habitat heterogeneity, plant and insect diversity
- Human impact, habitat management, and insect conservation
- Insect sampling and identification

**Learning outcomes / competencies / targeted competencies:**

Students will be able to

- evaluate the impact of environmental/anthropogenic habitat changes on insect populations, species interactions and associated ecosystem services
- link population, community and landscape ecology concepts to develop insect conservation measures that contribute to a sustainable use of terrestrial ecosystems
- apply appropriate sampling and identification techniques to assess the dynamics of insect functional diversity in response to environmental change and insect management

**Calculation of student workload:**

70 h SWS / presence time / working hours

40 h Self-study

70 h Exam preparation

**Are there optional courses in the modules?**

no

**Language(s) of instruction:**

English

**Responsible for the module:**

Prof. Dr. Marko Rohlf

**Frequency:**

summer semester, yearly

**Duration:**

1 semester[s]

**The module is valid since / The module is valid until:**

WiSe 22/23 / -

**Credit points / Workload:**

6 / 180 hours

**Module examinations**

**Module examination:** Kombinationsprüfung Insect Ecology and Biodiversity

**Type of examination:** combination exam

**Form of examination:**

See free text

**The examination is ungraded?**

no

**Number of graded components / ungraded components / prerequisites of the examination:**

1 / - / -

**Language(s) of instruction:**

Englisch

**Description:**

PL 1 = oral examination

## Module courses

**Course:** Insect Ecology and Biodiversity

**Frequency:**

summer semester, yearly

**Are there parallel courses?**

no

**Contact hours:**

5 hours

**University teacher:**

Prof. Dr. Marko Rohlfs

**Language(s) of instruction:**

Englisch

**Teaching method(s):**

**Associated module examination:**

Kombinationsprüfung Insect Ecology and Biodiversity