

Course Description: MOE-Advances-in-Biodiversity

6 ECTS + 3 ECTS Ecological Seminar/ literature club

Module Coordinator: Prof. Dr. Juliane Filser

Offer: winter semester

Assessment of module: written examination

Related courses

- Biodiversity (lecture/seminar)
- Project
- PM2 Eco Part: Ecological Seminar/ literature club

Contents and Learning outcomes

- Basic definitions of the concept of biodiversity
- Changes in biodiversity through time, the history of biodiversity research
- Spatial and temporal patterns of biodiversity and their ecological reasons
- Biodiversity and ecosystem functions
- Biodiversity in the face of global change
- Methods of biodiversity research
- Biodiversity and society

The students

- have a basic understanding of the main concepts of biodiversity based on current scientific literature
- are able to identify different biodiversity patterns
- understand the high importance of the archiving and documentation of biodiversity information
- are able to reflect on the significance of biodiversity for ecosystem functioning and service provisioning in a societal context, with special reference to sustainable development.