bio703 - Basic Concepts in Plant Sciences

Module label: Basic Concepts in Plant Sciences
Module code: bio703
Credit points: 12.0 KP
Workload: 360 h
Used in course of study: Master's Programme Biology > Background Modules
Contact person: Dirk Carl Albach

Module responsibility
- Dirk Carl Albach
- Gerhard Wolfgang Zotz
- Sascha Laubinger
- Klaus Bernhard von Hagen

Authorized examiners
- Dirk Carl Albach
- Gerhard Wolfgang Zotz
- Sascha Laubinger
- Klaus Bernhard von Hagen

Module counseling
- Gerhard Wolfgang Zotz
- Sascha Laubinger
- Klaus Bernhard von Hagen

Entry requirements
- Skills to be acquired in this module:
  - Communicating deeper knowledge in ecology, phylogeny, evolution and genetics of plants
  - Communicating scale- and method-overarching thinking
  - Communicating deeper theoretic concepts of ecology, evolution and genetics of plants
  - + deepened biological expertise
  - + deepened knowledge of biological working methods
  - + data analysis skills
  - + interdisciplinary thinking
  - ++ critical and analytical thinking
  - ++ independent searching and knowledge of scientific literature
  - +++ data analysis skills and discussion in German and English (written and spoken)
  - + teamwork
  - ++ ethics and professional behaviour

Module contents
- V: Biodiversity of plants (2 SWS)
- V: Resource acquisition and use by plants (1 SWS)
- V: Gene expression in plants (1 SWS)
- S: Phylogeny of plants (2 SWS)
- S: Interactions of plants with environmental parameters (2SWS)

Reader's advisory

Links
- German, English

Duration (semesters): 1 Semester

Module frequency

Module capacity: 12

Reference text
- associated with bio765 (Current Methods in Plant Science) (recommended)

Modulart
- je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program
- Ecology, Flora, Genetics

Vorkenntnisse / Previous knowledge

Examination
- Final exam of module: Time of examination: 1 Portfolio (40%), 1 report (60%)

Course type
- Lecture: Comment: SWS: 4.00, Frequency: WiSe, Workload attendance: 56 h
- Seminar: Comment: 4.00, Frequency: WiSe, Workload attendance: 56 h

Total time of attendance for the module: 112 h