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
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 presentation and discussion in German and English (written and spoken)
+ teamwork
++ ethics and professional behaviour

Skills to be acquired in this module

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
Languages of instruction: German, English
Duration (semesters): 1 Semester
Module frequency
Module capacity: 12
Reference text: associated with bio765 (Current Methods in Plant Science) (recommended)
Modullevel: MM (Mastermodul / Master module)
Modulart: je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program: Ecology, Flora, Genetics
Vorkenntnisse / Previous knowledge: Ecology, Flora, Genetics

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

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

Total time of attendance for the module: 112 h