# 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
- Master’s Programme Biology > Background Modules

**Contact person**

Module responsibility

- Dirk Carl Albach

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

+ ability to perform independent biological research

++ data presentation 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 (2 SWS)

**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

**Examination**

Time of examination

Type of examination

1 Portfolio (40%), 1 report (60%)

**Final exam of module**

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