

## Module Handbook

TUK MODHB Homepage

# Course BIO-ECO-03-K-2

Evolution (1V, 1.5 LP)

## Course Type

| SWS  | Type | Course Form | CP (Effort) | Presence-Time / Self-Study |
|------|------|-------------|-------------|----------------------------|
| 1    | V    | Lecture     | 1.5 CP      | 14 h 31 h                  |
| (1V) |      |             | 1.5 CP      | 14 h 31 h                  |

## Basedata

|                          |  |
|--------------------------|--|
| SWS                      | 1V   |
| CP, Effort               | 1.5 CP = 45 h  |
| Position of the semester | 1 Sem. in SuSe   |
| Level                    | [2] Bachelor (Fundamentals)  |
| Language                 | [DE] German  |
| Lecturers                | Stoek, Thorsten, Prof. Dr. (PROF   DEPT: BIO)<br>Stock, Alexandra, Dr. (WMA   DEPT: BIO) |
| Area of study            | [BIO-ECO] Ecology  |
| Additional informations  | <a href="#">Informations about the course</a>  |
| Lifecycle-State          | [NORM] Active  |

## Contents

**Evolution:** Indizien der Evolution, historische Aspekte der Evolutionsforschung; Mechanismen der Evolution, Evolutionsfaktoren, Mikroevolution / Evolution von Populationen und Arten, Makroevolution / Entstehung höherer taxonomischer Gruppen und neuer Eigenschaften, evolutive Trends, Adaptive Radiationen; Methoden der Phylogenie, Datierung von Fossilien, Molekulare Uhren, Molekulare Stammbäume; Frühe Stadien der Evolution und die Geschichte des

Lebens.

## Literature

Evolution (Zimmer und Emlen)

## Requirements for attendance (informal)

None

## Requirements for attendance (formal)

None

## References to Course [BIO-ECO-03-K-2]

| Module        | Name  | Context       |            |
|---------------|---|---------------|------------|
| [BIO-GM8-M-2] | Grundmodul 8:<br>Ökologie/Biodiversität/Evolution | P: Obligatory | 1V, 1.5 LP |
| [BIO-M6-M-2]  | Modul 6: Ökologie/Biodiversität und<br>Evolution  | P: Obligatory | 1V, 1.5 LP |