

## Autumn semester 2021 BSc and MSc in Ecology and Evolution

Compulsory units (for BSc students) are in yellow. Only IEE units are given.

Weeks 1-14 Seminars (S) and journal clubs (JC) are given here. They are not integrated into the weekly schedule and not coordinated.

|               | Monday                                     | Tuesday                  | Wednesday                                     | Thursday             | Friday |
|---------------|--|--------------------------|---|----------------------|--------|
| 08:15 - 09:00 |  |                          |   |                      |        |
| 09:15 - 10:00 |  |                          |   |                      |        |
| 10:15 - 11:00 | Systematics JC                             |                          | Conservation Biology S<br>Macroevolution JC   | Theoretical E&E S+JC |        |
| 11:15 - 12:00 | Systematics JC<br>Population genetics S+JC |                          | Conservation Biology S<br>Graduate Research S | Theoretical E&E S+JC |        |
| 12:15 - 13:00 | Population genetics S+JC                   |                          | Graduate Research S                           |                      |        |
| 13:15 - 14:00 | Evolutionary Ecology S+JC                  |                          |   |                      |        |
| 14:15 - 15:00 | Evolutionary Ecology S+JC                  | Terrestrial Ecology S+JC | Conservation Biology JC<br>Aquatic Ecology S  |                      |        |
| 15:15 - 16:00 | Behavioural Ecology S+JC                   | Terrestrial Ecology S+JC | Aquatic Ecology S                             |                      |        |
| 16:15 - 17:00 | Behavioural Ecology S+JC                   |                          |   |                      |        |
| 17:15 - 18:00 |  |                          |   |                      |        |
| 18:15 - 19:00 |  |                          |   |                      |        |

**Week 1**

|               | Monday                                      | Tuesday                                 | Wednesday | Thursday  | Friday                                    |
|---------------|---|---|-----------|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution |   |           |   | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |           |   |   |
| 10:15 - 11:00 |   |   |           |   |   |
| 11:15 - 12:00 |   |   |           |   |   |
| 12:15 - 13:00 |   |   |           |   |   |
| 13:15 - 14:00 |   |   |           |   |   |
| 14:15 - 15:00 | Stammbäume - Grundlagen und Anwendungen     |   |           |   |   |
| 15:15 - 16:00 |   |   |           |   |   |
| 16:15 - 17:00 |   | Lecture series in ecology and evolution |           | Lecture series in plant and animal conservation ecology |   |
| 17:15 - 18:00 |   |   |           |   |   |
| 18:15 - 19:00 |   |   |           |   |   |

**Week 2**

|               | Monday                                      | Tuesday                                  | Wednesday                                | Thursday  | Friday                                    |  |
|---------------|---|--|--|---|---|--|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Conservation biology, research practical | Conservation biology, research practical | Conservation biology, research practical                | Applied biostatistics I. With practicals. |  |
| 09:15 - 10:00 |   |  |  |   |   |  |
| 10:15 - 11:00 |   |  |  |   |   |  |
| 11:15 - 12:00 |   |  |  |   |   |  |
| 12:15 - 13:00 |   |  |  |   |   |  |
| 13:15 - 14:00 |   |  |  |   |   |  |
| 14:15 - 15:00 | Stammbäume - Grundlagen und Anwendungen     |  |  |   |   |  |
| 15:15 - 16:00 |   |  |  |   |   |  |
| 16:15 - 17:00 |   | Lecture series in ecology and evolution  |  | Lecture series in plant and animal conservation ecology |   |  |
| 17:15 - 18:00 |   |  |  |   |   |  |
| 18:15 - 19:00 |   |  |  |   |   |  |

**Week 3**

|               | Monday                                      | Tuesday                                  | Wednesday                                | Thursday  | Friday                                    |
|---------------|---|--|--|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Conservation biology, research practical | Conservation biology, research practical | Methods in conservation research and planning           | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |  |  |   |   |
| 10:15 - 11:00 |   |  |  |   |   |
| 11:15 - 12:00 |   |  |  |   |   |
| 12:15 - 13:00 |   |  |  |   |   |
| 13:15 - 14:00 |   |  |  |   | Literature analysis and management        |
| 14:15 - 15:00 | Stammbäume - Grundlagen und Anwendungen     |  |  |   |   |
| 15:15 - 16:00 |   |  |  |   |   |
| 16:15 - 17:00 |   | Lecture series in ecology and evolution  |  | Lecture series in plant and animal conservation ecology |   |
| 17:15 - 18:00 |   |  |  |   |   |
| 18:15 - 19:00 |   |  |  |   |   |

*Methods in conservation research and planning: plus 1 excursion day on a Saturday or outside semester time*

**Week 4**

|               | Monday                                      | Tuesday                                       | Wednesday                                     | Thursday  | Friday                                    |
|---------------|---|---|---|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Methods in conservation research and planning | Methods in conservation research and planning | Methods in conservation research and planning           | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |   |   |   |
| 10:15 - 11:00 |   |   |   |   |   |
| 11:15 - 12:00 |   |   |   |   |   |
| 12:15 - 13:00 |   |   |   |   |   |
| 13:15 - 14:00 |   |   |   |   | Literature analysis and management        |
| 14:15 - 15:00 | Stammbäume - Grundlagen und Anwendungen     |   |   |   |   |
| 15:15 - 16:00 |   |   |   |   |   |
| 16:15 - 17:00 |   | Lecture series in ecology and evolution       |   | Lecture series in plant and animal conservation ecology |   |
| 17:15 - 18:00 |   |   |   |   |   |
| 18:15 - 19:00 |   |   |   |   |   |

**Week 5**

|               | <b>Monday</b>                               | <b>Tuesday</b>  | <b>Wednesday</b>                                      | <b>Thursday</b>                                       | <b>Friday</b>                             |
|---------------|---|---|---|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Theoretical ecology and evolution, research practical   | Theoretical ecology and evolution, research practical | Theoretical ecology and evolution, research practical | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |   |   |   |
| 10:15 - 11:00 |   |   |   |   |   |
| 11:15 - 12:00 | Stammbäume - Grundlagen und Anwendungen     |   |   |   | Literature analysis and management        |
| 12:15 - 13:00 |   |   |   |   |   |
| 13:15 - 14:00 |   |   |   |   |   |
| 14:15 - 15:00 | Lecture series in ecology and evolution     | Lecture series in plant and animal conservation ecology |   |   |   |
| 15:15 - 16:00 |   |   |   |   |   |
| 16:15 - 17:00 |   |   |   |   |   |
| 17:15 - 18:00 |   |   |   |   |   |
| 18:15 - 19:00 |   |   |   |   |   |

**Week 6**

|               | <b>Monday</b>                               | <b>Tuesday</b>  | <b>Wednesday</b>                                      | <b>Thursday</b>                                       | <b>Friday</b>                             |
|---------------|---|---|---|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Theoretical ecology and evolution, research practical   | Theoretical ecology and evolution, research practical | Theoretical ecology and evolution, research practical | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |   |   |   |
| 10:15 - 11:00 |   |   |   |   |   |
| 11:15 - 12:00 | Stammbäume - Grundlagen und Anwendungen     |   |   |   | Literature analysis and management        |
| 12:15 - 13:00 |   |   |   |   |   |
| 13:15 - 14:00 |   |   |   |   |   |
| 14:15 - 15:00 | Lecture series in ecology and evolution     | Lecture series in plant and animal conservation ecology |   |   |   |
| 15:15 - 16:00 |   |   |   |   |   |
| 16:15 - 17:00 |   |   |   |   |   |
| 17:15 - 18:00 |   |   |   |   |   |
| 18:15 - 19:00 |   |   |   |   |   |

**Week 7**

|               | Monday                                      | Tuesday   | Wednesday   | Thursday  | Friday                                    |
|---------------|---|---|---|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Theoretical ecology and evolution, research practical   | Theoretical ecology and evolution, research practical | Theoretical ecology and evolution, research practical | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |   |   |   |
| 10:15 - 11:00 |   |   |   |   |   |
| 11:15 - 12:00 |   |   |   |   |   |
| 12:15 - 13:00 |   |   |   |   |   |
| 13:15 - 14:00 | Literature analysis and management          |   |   |   |   |
| 14:15 - 15:00 |   |   |   |   |   |
| 15:15 - 16:00 | Stammbäume - Grundlagen und Anwendungen     |   |   |   |   |
| 16:15 - 17:00 | Lecture series in ecology and evolution     | Lecture series in plant and animal conservation ecology |   |   |   |
| 17:15 - 18:00 |   |   |   |   |   |
| 18:15 - 19:00 |   |   |   |   |   |

**Week 8**

|               | Monday                                      | Tuesday                                  | Wednesday   | Thursday                                 | Friday                                    |
|---------------|---|--|---|--|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Evolutionary Ecology, research practical | Evolutionary Ecology, research practical                | Evolutionary Ecology, research practical | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |  |   |  |   |
| 10:15 - 11:00 |   |  |   |  |   |
| 11:15 - 12:00 |   |  |   |  |   |
| 12:15 - 13:00 |   |  |   |  |   |
| 13:15 - 14:00 | Stammesgeschichte der Anthropoden           | Human genetic history (not in 2021)      | Literature analysis and management                      |  |   |
| 14:15 - 15:00 |   |  |   |  |   |
| 15:15 - 16:00 | Biologie der Mollusca                       | Lecture series in ecology and evolution  | Lecture series in plant and animal conservation ecology |  |   |
| 16:15 - 17:00 |   |  |   |  |   |
| 17:15 - 18:00 |   |  |   |  |   |
| 18:15 - 19:00 |   |  |   |  |   |

**Week 9**

|               | Monday                                      | Tuesday                                 | Wednesday                                | Thursday  | Friday                                    |
|---------------|---|---|--|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Population dynamics                     | Evolutionary Ecology, research practical | Population dynamics                                     | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |  |   |   |
| 10:15 - 11:00 |   |   |  |   |   |
| 11:15 - 12:00 |   |   |  |   |   |
| 12:15 - 13:00 |   |   |  |   |   |
| 13:15 - 14:00 |   |   | Human genetic history (not in 2021)      |   | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden           | Population dynamics                     | Evolutionary Ecology, research practical | Population dynamics                                     |   |
| 15:15 - 16:00 |   |   |  |   |   |
| 16:15 - 17:00 | Biologie der Mollusca                       | Lecture series in ecology and evolution | Evolutionary Ecology, research practical | Lecture series in plant and animal conservation ecology |   |
| 17:15 - 18:00 |   |   |  |   |   |
| 18:15 - 19:00 |   |   |  |   |   |

**Week 10**

|               | Monday                                      | Tuesday                                 | Wednesday                                | Thursday  | Friday                                    |
|---------------|---|---|--|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Population dynamics                     | Evolutionary Ecology, research practical | Population dynamics                                     | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |  |   |   |
| 10:15 - 11:00 |   |   |  |   |   |
| 11:15 - 12:00 |   |   |  |   |   |
| 12:15 - 13:00 |   |   |  |   |   |
| 13:15 - 14:00 |   |   | Human genetic history (not in 2021)      |   | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden           | Population dynamics                     | Evolutionary Ecology, research practical | Population dynamics                                     |   |
| 15:15 - 16:00 |   |   |  |   |   |
| 16:15 - 17:00 | Biologie der Mollusca                       | Lecture series in ecology and evolution | Evolutionary Ecology, research practical | Lecture series in plant and animal conservation ecology |   |
| 17:15 - 18:00 |   |   |  |   |   |
| 18:15 - 19:00 |   |   |  |   |   |

**Week 11**

|               | Monday                                      | Tuesday                                  | Wednesday                                | Thursday  | Friday                                    |
|---------------|---|--|--|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Evolutionary Ecology, research practical | Evolutionary Ecology, research practical | Evolutionary Ecology, research practical                | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |  |  |   |   |
| 10:15 - 11:00 |   |  |  |   |   |
| 11:15 - 12:00 |   |  |  |   |   |
| 12:15 - 13:00 |   |  |  |   |   |
| 13:15 - 14:00 |   | Speciation                               | Human genetic history (not in 2021)      |   | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden           |  |  |   |   |
| 15:15 - 16:00 |   | Lecture series in ecology and evolution  | Evolutionary Ecology, research practical | Lecture series in plant and animal conservation ecology |   |
| 16:15 - 17:00 | Biologie der Mollusca                       |  |  |   |   |
| 17:15 - 18:00 |   |  |  |   |   |
| 18:15 - 19:00 |   |  |  |   |   |

**Week 12**

|               | Monday                                      | Tuesday                                  | Wednesday                                | Thursday  | Friday                                    |
|---------------|---|--|--|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Evolutionary Ecology, research practical | Evolutionary Ecology, research practical |   | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |  |  |   |   |
| 10:15 - 11:00 |   |  |  | Ethologie und Nutztierhaltung                           |   |
| 11:15 - 12:00 |   |  |  |   |   |
| 12:15 - 13:00 |   |  |  |   |   |
| 13:15 - 14:00 |   | Speciation                               | Human genetic history (not in 2021)      | Ethologie und Nutztierhaltung                           | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden           |  |  |   |   |
| 15:15 - 16:00 |   | Lecture series in ecology and evolution  | Evolutionary Ecology, research practical | Lecture series in plant and animal conservation ecology |   |
| 16:15 - 17:00 | Biologie der Mollusca                       |  |  |   |   |
| 17:15 - 18:00 |   |  |  |   |   |
| 18:15 - 19:00 |   |  |  |   |   |

**Week 13**

|               | Monday                                      | Tuesday                                  | Wednesday                                | Thursday  | Friday                                    |
|---------------|---|--|--|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution | Evolutionary Ecology, research practical | Evolutionary Ecology, research practical |   | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |  |  |   |   |
| 10:15 - 11:00 |   |  |  | Ethologie und Nutztierhaltung                           |   |
| 11:15 - 12:00 |   |  |  |   |   |
| 12:15 - 13:00 |   |  |  |   |   |
| 13:15 - 14:00 |   | Speciation                               | Human genetic history (not in 2021)      | Ethologie und Nutztierhaltung                           | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden           |  |  |   |   |
| 15:15 - 16:00 |   |  | Evolutionary Ecology, research practical |   |   |
| 16:15 - 17:00 | Biologie der Mollusca                       | Lecture series in ecology and evolution  |  | Lecture series in plant and animal conservation ecology |   |
| 17:15 - 18:00 |   |  |  |   |   |
| 18:15 - 19:00 |   |  |  |   |   |

**Week 14**

|               | Monday                                      | Tuesday                                 | Wednesday                                | Thursday  | Friday                                    |
|---------------|---|---|--|---|---|
| 08:15 - 09:00 | Scientific methods in ecology and evolution |   |  |   | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |   |   |  |   |   |
| 10:15 - 11:00 |   |   |  | Ethologie und Nutztierhaltung                           |   |
| 11:15 - 12:00 |   |   |  |   |   |
| 12:15 - 13:00 |   |   |  |   |   |
| 13:15 - 14:00 |   | Speciation                              | Human genetic history (not in 2021)      | Ethologie und Nutztierhaltung                           | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden           |   |  |   |   |
| 15:15 - 16:00 |   |   | Evolutionary Ecology, research practical |   |   |
| 16:15 - 17:00 | Biologie der Mollusca                       | Lecture series in ecology and evolution |  | Lecture series in plant and animal conservation ecology |   |
| 17:15 - 18:00 |   |   |  |   |   |
| 18:15 - 19:00 |   |   |  |   |   |



**Excursions/Practicals in the autumn semester, not integrated into the weekly schedule:**

Diversity, biology and systematics of parasitic wasps, practical

Excursion 1: Cave fauna (Invertebrates)