

## Autumn semester 2023 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   |          |        |
| 11:15 - 12:00 | Systematics JC<br>Population genetics S+JC        |                          | Conservation Biology S<br>Graduate Research S |          |        |
| 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<br>Theoretical E&E S+JC | Terrestrial Ecology S+JC | Conservation Biology JC<br>Aquatic Ecology S  |          |        |
| 15:15 - 16:00 | Behavioural Ecology S+JC<br>Theoretical E&E 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 | Introduction to Microbial Ecology and Evolution |                                         |           |                                                         |                                           |
| 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 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 | Introduction to Microbial Ecology and Evolution |                                          |                                                         |                                          |                                           |
| 14:15 - 15:00 |                                                 |                                          |                                                         |                                          |                                           |
| 15:15 - 16:00 | Stammbäume - Grundlagen und Anwendungen         |                                          | Lecture series in plant and animal conservation ecology | Ecology Lecture Series                   |                                           |
| 16:15 - 17:00 | Lecture series in ecology and evolution         |                                          |                                                         |                                          |                                           |
| 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 | Introduction to Microbial Ecology and Evolution |                                          |                                          |                                                         |                                           | Literature analysis and management |
| 14:15 - 15:00 |                                                 |                                          |                                          |                                                         |                                           |                                    |
| 15:15 - 16:00 | Stammbäume - Grundlagen und Anwendungen         | Lecture series in ecology and evolution  |                                          | Lecture series in plant and animal conservation ecology | Ecology Lecture Series                    |                                    |
| 16:15 - 17:00 |                                                 |                                          |                                          |                                                         |                                           |                                    |
| 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 | Introduction to Microbial Ecology and Evolution |                                               |                                               |                                                         |                                           |  | Literature analysis and management |
| 14:15 - 15:00 |                                                 |                                               |                                               |                                                         |                                           |  |                                    |
| 15:15 - 16:00 | Stammbäume - Grundlagen und Anwendungen         | 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 5

|               | 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 | Introduction to Microbial Ecology and Evolution |                                                       |                                                       |                                                       |                                           |  | Literature analysis and management                      |
| 14:15 - 15:00 |                                                 |                                                       |                                                       |                                                       |                                           |  |                                                         |
| 15:15 - 16:00 | Stammbäume - Grundlagen und Anwendungen         |                                                       |                                                       |                                                       | 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 6

|               | 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 | Introduction to Microbial Ecology and Evolution |                                                       |                                                         |                                                       |                                           |  | 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 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 | Introduction to Microbial Ecology and Evolution | Lecture series in ecology and evolution               |                                                       | Lecture series in plant and animal conservation ecology | Literature analysis and management        |
| 13:15 - 14:00 |                                                 |                                                       |                                                       |                                                         | Ecology Lecture Series                    |
| 14:15 - 15:00 | Stammbäume - Grundlagen und Anwendungen         |                                                       |                                                       |                                                         |                                           |
| 15:15 - 16:00 |                                                 |                                                       |                                                       |                                                         |                                           |
| 16:15 - 17:00 |                                                 |                                                       |                                                       |                                                         |                                           |
| 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     |                                         |                                     | Bestimmungsübungen einheimische Mollusken               | Applied biostatistics I. With practicals. |
| 09:15 - 10:00 |                                                 |                                         |                                     |                                                         |                                           |
| 10:15 - 11:00 |                                                 |                                         |                                     |                                                         |                                           |
| 11:15 - 12:00 |                                                 |                                         |                                     |                                                         |                                           |
| 12:15 - 13:00 | Introduction to Microbial Ecology and Evolution |                                         | Human genetic history (not in 2023) | Lecture series in plant and animal conservation ecology | Literature analysis and management        |
| 13:15 - 14:00 |                                                 |                                         |                                     |                                                         |                                           |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden               |                                         |                                     |                                                         |                                           |
| 15:15 - 16:00 |                                                 | Lecture series in ecology and evolution |                                     |                                                         |                                           |
| 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                     |                                     | 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 | Introduction to Microbial Ecology and Evolution | Population dynamics                     | Human genetic history (not in 2023) | Population dynamics                                     | Literature analysis and management        |
| 14:15 - 15:00 |                                                 |                                         |                                     |                                                         |                                           |
| 15:15 - 16:00 | Stammesgeschichte der Anthropoden               | Lecture series in ecology and evolution |                                     | Lecture series in plant and animal conservation ecology | Ecology Lecture Series                    |
| 16:15 - 17:00 |                                                 |                                         |                                     |                                                         |                                           |
| 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                     |                                     | 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 | Introduction to Microbial Ecology and Evolution | Population dynamics                     | Human genetic history (not in 2023) | Population dynamics                                     | Literature analysis and management        |
| 14:15 - 15:00 |                                                 |                                         |                                     |                                                         |                                           |
| 15:15 - 16:00 | Stammesgeschichte der Anthropoden               | 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 11**

|               | 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 | Introduction to Microbial Ecology and Evolution | Speciation                              | Human genetic history (not in 2023) |                                                         | Literature analysis and management        |
| 14:15 - 15:00 |                                                 |                                         |                                     |                                                         |                                           |
| 15:15 - 16:00 | Stammesgeschichte der Anthropoden               | Lecture series in ecology and evolution |                                     |                                                         | Ecology Lecture Series                    |
| 16:15 - 17:00 |                                                 |                                         |                                     | Lecture series in plant and animal conservation ecology |                                           |
| 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     |                                         |                                     |                                                         | 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 | Introduction to Microbial Ecology and Evolution | Speciation                              | Human genetic history (not in 2023) |                                                         | Literature analysis and management        |
| 14:15 - 15:00 |                                                 |                                         |                                     |                                                         |                                           |
| 15:15 - 16:00 | Stammesgeschichte der Anthropoden               | Lecture series in ecology and evolution |                                     |                                                         | Ecology Lecture Series                    |
| 16:15 - 17:00 |                                                 |                                         |                                     | Lecture series in plant and animal conservation ecology |                                           |
| 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     |                                         |                                     |                                                         | 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 | Introduction to Microbial Ecology and Evolution | Speciation                              | Human genetic history (not in 2023) |                                                         | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden               |                                         |                                     |                                                         | Ecology Lecture Series                    |
| 15:15 - 16:00 |                                                 | 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 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 |                                                 |                                         |                                     |                                                         |                                           |
| 11:15 - 12:00 |                                                 |                                         |                                     |                                                         |                                           |
| 12:15 - 13:00 |                                                 |                                         |                                     |                                                         |                                           |
| 13:15 - 14:00 | Introduction to Microbial Ecology and Evolution | Speciation                              | Human genetic history (not in 2023) |                                                         | Literature analysis and management        |
| 14:15 - 15:00 | Stammesgeschichte der Anthropoden               |                                         |                                     |                                                         |                                           |
| 15:15 - 16:00 |                                                 | 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 |                                                 |                                         |                                     |                                                         |                                           |



## **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)