Facheinführung/Introduction
Biology
Prof. Dr. Jan Tuckermann, Eva Keppner, Stephanie Wittig-Blaich| Wintersemester 2021/22 | Studienkommission Biologie/Biochemie
Uni Ulm – current information about studying at Ulm university

Semester dates University Ulm

Summer semester
01.04. – 30.09.

Winter semester
01.10. – 31.03.

lecture periods:
Winter semester 2021/2022:
Monday, 18.10.21 – Saturday, 19.02.22
no reading week 24.12.21 – 05.01.22

Summer semester 2022
Tuesday, 19.04.22 – Saturday, 23.07.22

Practical courses partly also after the end and before the start of the lecture period.

https://www.uni-ulm.de/en/study/organisation/lectures/academic-term-dates/
Important contact persons

**Study dean department of biology**
Prof. Dr. Jan Tuckermann, jan.tuckermann@uni-ulm.de

**Chairman examination board biology**
Prof. Dr. Marco Tschapka, pa.biologie@uni-ulm.de

**Study course coordinator biology**
Dr. Stephanie Wittig-Blaich, M24/570, stephanie.wittig-blaich@uni-ulm.de, Tel.: 50 21259

**Study course coordinator teaching profession**
Eva Keppner, M24/570, eva.keppner@uni-ulm.de, Tel.: 50 23930

**Secretariat SK biology**
Helga Theilacker, M24/573, helga.theilacker@uni-ulm.de, Tel.: 50 23931

**Student secretariat**
Stephanie Wohletz, studiensekretariat@uni-ulm.de

Homepage department of biology: https://www.uni-ulm.de/en/nawi/department-of-biology/
Study dean, Prof. Dr. Jan Tuckermann

Study course coordinator team

Dr. Stephanie Wittig-Blaich, Biology
Dr. Lena John, Biochemistry
Eva Keppner, teaching profession, Internationals Studierende
Important documents and information

• **General framework** (General provisions for study and examination regulations regarding bachelor's and master's programmes at Ulm University)
  → contains general regulations & information about studying at the University of Ulm

• **Subject-specific Study and Examination Regulations** (Subject-specific Study and Examination Regulations for the Bachelor Programme in Biology and the English-language Master Programme in Biology offered by Ulm University)
  → contains regulations & information about the study of biology at the University of Ulm

• **module handbook/module descriptions**
  → contains information about the individual modules in the study program

• **Study plan**
  → shows the modules scheduled in the study program

https://campusonline.uni-ulm.de
Examinations and deadlines

• 3 attempts per exam
• exam registration via the university portal campusonline / LSF
• deadline for registration of exams: 4 days BEFORE exam day (e.g. exam date 21.02., last possibility to register: 17.02.)
• This Winter term: Due to Corona Regulations: You are able to unsubscribe one day before the examinations
• Any problems with registration? → Email to stephanie.wohletz@uni-ulm.de (before the deadlines!)
• deadlines:
  - after 3. semester: 48 credit points
  - after 5. semester: 74 credit points
  - after 7. semester: 120 credit points

otherwise loss of examination rights
Biological institutions at Ulm university

- Comparative Molecular Endocrinology, Bio I
- Molecular botany, Bio II
- Evolutionary Ecology and Conservation Genomics, Bio III
- Neurobiology, Bio IV
- Systematic Botany and Ecology, Bio V
- Microbiology und Biotechnology, Bio VI
- Genetics und Cell biology, Bio VII
- Proteinbiochemistry, Bio VIII
- Pharmaceutical Biotechnology, Bio IX
**Study Plan Master Biology, Major Topic Molecular Bioscience:**

### Obligatory Courses WS:

- **Molecular Bioscience** 5 CP
- **Neurobiology** 3 CP
- **Biodiversity / Ecology** 3 CP

Total: 11 CP

**Choice** of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:

Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)

Total: 15 CP

**Choice** of a non-biological subject with a total of 12 CP, WS + SS:

Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)

Total: 12 CP

### Choice, two out of three:

- Patent right 3 CP (WS)
- Quality control 3 CP (SS)
- Medical products 3 CP (WS)

Total: 6 CP

### Choice, two out of six courses:

- Molecular Botany 18 CP (WS)
- Microbiology 18 CP (WS + SS)
- Genetics 18 CP (SS)
- Protein-Biochemistry 18 CP (SS)

### With Minor Topic Neurobiology:

- Conservation Genomics + Molecular Biology 18 CP (WS)
- Endocrinology 18 CP (WS)

Total: 18 - 36 CP

### Choice, one out of two courses:

- Neurobiology 21 CP (WS)
- Behavioral Physiology 21 CP (SS)

### Choice, courses with a total of at least 18 CP out of nine courses:

- Evolutionary Ecology: Interactions of Organisms and their Environment 12 CP (SS)
- Ecology of the Mediterranean 9 CP (SS)
- Tropical Ecology in Costa Rica 18 CP (Sept.)
- Marine Ecology 9 CP (SS)
- Tropical Ecology 12 CP (WS)
- Conservation Genomics 12 CP (WS)
- Chemical Ecology 12 CP (WS)
- Wetland Ecology 9 CP (SS)
- Soil & Water 9 CP (SS)

Total: 0 - 21 CP

**Advanced Methods in Bioscience** 10 CP

**Master Thesis** 30 CP (Semester 3 or 4)

Total: 120 - 123 CP
### Study Plan Master Biology, Major Topic Biodiversity and Ecology:

**Obligatory Courses WS:**
- Molecular Bioscience 5 CP
- Neurobiology 3 CP
- Biodiversity / Ecology 3 CP

<table>
<thead>
<tr>
<th>Choice</th>
<th>Without Minor Topic</th>
<th>With Minor Topic Neurobiology</th>
<th>With Minor Topic Molecular Bioscience</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Choice, courses with a total of at least 36 CP out of nine courses:</td>
<td>Choice, courses with a total of at least 18 CP out of nine courses:</td>
<td>Choice, courses with a total of at least 18 CP out of nine courses:</td>
</tr>
<tr>
<td></td>
<td>• Evolutionary Ecology: Interactions of Organisms and their Environment 12 CP (SS)</td>
<td>• Tropical Ecology 12 CP (WS)</td>
<td>• Conservation Genomics 12 CP (WS)</td>
</tr>
<tr>
<td></td>
<td>• Ecology of the Mediterranean 9 CP (SS)</td>
<td>• Conservation Genomics 12 CP (WS)</td>
<td>• Chemical Ecology 12 CP (WS)</td>
</tr>
<tr>
<td></td>
<td>• Tropical Ecology in Costa Rica 18 CP (Sept.)</td>
<td>• Wetland Ecology 9 CP (SS)</td>
<td>• Soil &amp; Water 9 CP (SS)</td>
</tr>
<tr>
<td></td>
<td>• Marine Ecology 9 CP (SS)</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

**Choice, one out of six courses:**
- Molecular Botany 18 CP (WS)
- Microbiology 18 CP (WS + SS)
- Genetics 18 CP (SS)
- Protein-Biochemistry 18 CP (SS)
- Conservation Genomics + Molecular Biology 18 CP (WS)
- Endocrinology 18 CP (WS)

**Choice, one out of two courses:**
- Neurobiology 21 CP (WS)
- Behavioral Physiology 21 CP (SS)

**Advanced Methods in Bioscience 10 CP**

**Master Thesis 30 CP (Semester 3 or 4)**

**Statistics 3 CP (WS)**

**Excursion 3 CP (SS)**

**Choice of a non-biological subject with a total of 12 CP, WS + SS:**
- Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)

**Choice of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:**
- Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)

Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience

**Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)**

**Statistics 3 CP (WS)**

**Excursion 3 CP (SS)**

**Choice of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:**
- Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)

Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience

**Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)**

**Biological subjects:** See modules of the minor topics Neurobiology or Molecular Bioscience
### Study Plan Master Biology, Major Topic Neurobiology:

**Obligatory Courses WS:**

- **Molecular Bioscience** 5 CP
- **Neurobiology** 3 CP
- **Biodiversity / Ecology** 3 CP

11 CP

**Choice** of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:

- Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)

Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience

15 CP

**Choice** of a non-biological subject with a total of 12 CP; WS + SS:

- Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)

12 CP

**Without Minor Topic:**

- **Neurobiology** 21 CP (WS)

21 CP

**With Minor Topic Molecular Bioscience:**

- Behavioral Physiology 21 CP (SS)

21 CP

Choice, one out of six courses:

- Molecular Botany 18 CP (WS)
- Microbiology 18 CP (WS + SS)
- Genetics 18 CP (SS)
- Protein-Biochemistry 18 CP (SS)
- Conservation Genomics + Molecular Biology 18 CP (WS)
- Endocrinology 18 CP (WS)

21 - 42 CP

Choice, courses with a total of at least 18 CP out of nine courses:

- Evolutionary Ecology: Interactions of Organisms and their Environment 12 CP (SS)
- Ecology of the Mediterranean 9 CP (SS)
- Tropical Ecology in Costa Rica 18 CP (Sept.)
- Marine Ecology 9 CP (SS)
- Tropical Ecology 12 CP (WS)
- Conservation Genomics 12 CP (WS)
- Chemical Ecology 12 CP (WS)
- Wetland Ecology 9 CP (SS)
- Soil & Water 9 CP (SS)

0 - 18 CP

### Advanced Methods in Bioscience 10 CP

Master Thesis 30 CP (Semester 3 or 4)

120 CP
Information about module details

• portal study and teaching campusonline/LSF
• moodle course “Modulwahl Master Biology & Biochemistry”
  https://moodle.uni-ulm.de/course/view.php?id=24550
• moodle courses of the individual modules

Email list: biologymaster@lists.uni-ulm.de → subscribe at https://imap.uni-ulm.de/lists
<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-9</td>
<td>Molecular Bioscience / Microbiology Lecture</td>
<td></td>
<td>Molecular Bioscience / Molecular biology and gene technology of plants Lecture</td>
<td></td>
<td>Neurobiology Lecture (English)</td>
</tr>
<tr>
<td>9-10</td>
<td>(Durre, Bengelsdorf) o.a.</td>
<td></td>
<td>(Marchfelder) o.a.</td>
<td>(Lang, Herwig) o.a.</td>
<td></td>
</tr>
<tr>
<td>10-11</td>
<td>Pharmakologie I, Naturwissenschaftler II Lecture (German)</td>
<td>Molekulare Humangenetik Lecture (German)</td>
<td>Virology II part 1 Lecture</td>
<td>Molecular Bioscience / Molecular biology and gene technology of plants Lecture</td>
<td>Toxikologie Lecture (German)</td>
</tr>
<tr>
<td>11-12</td>
<td>(Mopps) H8</td>
<td>(Högel) N24 / 227</td>
<td>(V. Einem) H8</td>
<td>(Marchfelder) o.a.</td>
<td>(Barth) H3</td>
</tr>
<tr>
<td>12-13</td>
<td>Neurobiologie Lecture (Lang, Herwig) o.a.</td>
<td>Patentrecht (German)</td>
<td>Statistics for Biodiversity and Ecology Lecture/Exercise</td>
<td>Biodiversity and Ecology Lecture (Tschapka a.o.)</td>
<td>Biodiversity and Ecology Lecture</td>
</tr>
<tr>
<td>13-14</td>
<td>(Reitzle) H16</td>
<td>(Doublet, Riseley) N 24 / 201</td>
<td></td>
<td>(Tschapka a.o.) H8</td>
<td></td>
</tr>
<tr>
<td>14-15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15-16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17-18</td>
<td>Arzneimittelseminar Lecture (German)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-19</td>
<td>(Gierschik) H7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orange: Compulsory; Green: Elective
o.a. = online asynchronous
Possible course formats

• On-site teaching
• Online synchronous
• Online asynchronous (sometimes with synchronous question lessons)
• Hybrid
Important links

Homepage department of biology: https://www.uni-ulm.de/index.php?id=7442

- timetables
- Current information
- Examination dates
- Biological colloquium
- Instituts
- committees

LSF: https://campusonline.uni-ulm.de

→ Description of modules, exam registration

Moodle: https://moodle.uni-ulm.de/login/index.php

→ Information about your courses, course material, zoom links,…

Twitter Account: https://twitter.com/BiologyUlm @BiologyUlm
Corona virus safety measures

- Minimum distance: 1.5 m
- Mask requirement in all corridors and where the minimum distance (1.5 m) cannot be maintained
- Ulm University follows the 3G – rule, ‘Getestet, Geimpft, Genesen’ (Tested, Vaccinated, Recovered)! – to participate in all courses, to stay in the library and in learning rooms and areas
- Access ban for symptomatic persons
- Stay at the University of Ulm between two courses: Seat booking
- Contact data registration via Knapp
- Latest information:
  https://www.uni-ulm.de/universitaet/informationen-zum-coronavirus/
  https://www.uni-ulm.de/universitaet/informationen-zum-coronavirus/faqs-universitaet-ulm/#c818985
Thank you.