Information for new students in the master programs „Biological Sciences“ and „Life Science“

Department of Biology
April 15, 2020
Welcome!

**Dr. Nina Schlotz**
Coordinator of teaching development
nina.schlotz@uni.kn

**Dr. Roland Kissmehl**
Departmental administrator
roland.kissmehl@uni.kn
The University of Konstanz – a young campus university

• 1966: foundation of the university and first lectures
• Since 2007 successful in the Excellence Initiative / Excellence Strategy

• Students: 11163 (WS 19/20)
• Staff: 1880 (end of 2019)

• Short distances
• Clear structures

• The University of Konstanz in 2 minutes:
  https://youtu.be/429KiHpcFzc

At the University of Konstanz, we excel at making connections and sharing ideas. The short distances on our open campus represents a great advantage.

Professor Kerstin Kriegstein, Rector of the University of Konstanz
**Faculties and departments**

**Faculty of Sciences**
- Mathematics and Statistics
- Computer and Information Sciences
- Physics
- Chemistry
- Biology
- Psychology

**Faculty of Humanities**
- Philosophy
- History and Sociology
- Literary Studies
- Linguistics

**Faculty of Politics, Law and Economics**
- Politics and Public Administrations
- Law
- Economics

**Study programs**
- 27 Bachelor programs – major
- 19 Bachelor programs – minor
- 31 Master programs
- 20 doctoral programs
- Bachelor and Master of Education (16 major subjects)
- State examination – Law
- 19 international study courses
Department of Biology

Chairs: 25
Academic staff: ~70
PhD-students: ~200
Students: ~800
Technical support: ~100

Administrative staff:

Prof. Mark van Kleunen – head of the department
Prof. Daniel Dietrich – director of studies
Prof. Elisa May – head of examination committee
Dr. Sabine Kreißl – study advisory service & ERASMUS
Dr. Roland Kissmehl – departmental administrator
Stefanie Bucifal
Sabine Schnepper – administrative office
Andrea Schroepel
Dr. Nina Schlotz – coordinator of teaching development
Number of places in the various Master programs in the current academic year

- **M.Sc. Biological Sciences**: 70 places
  60 in winter term 19/20 + 10 in summer term 2020

- M.Sc. *Biological Sciences* general track

- M.Sc. *Biological Sciences* priority track *Cellular & Molecular Biology*
  6-8 places (interviews)

- M.Sc. *Biological Sciences* priority track *Disease Biology*
  6-8 places (interviews)

- M.Sc. *Biological Sciences* priority track *Ecology, Evolution & Behavior*
  6-8 places (interviews)

- **M.Sc. Life Science** (together with the Department of Chemistry): 50 places
  40 in winter term 19/20 + 10 in summer term 2020
Summer term will take place!

Nationwide the summer term will start 20 April and may be extended until September. Until 19 April the university continues to be in "Netbetrieb" and after that the ban on public assembly is expected to be in effect through 18 June. Hence, on-campus classes are not possible until then.

The department is working on the digitalization of the courses as far as possible. You will find information on the online options, procedures and regulations here on our website in due time.

All courses will be held online according to the study plan. Please register for your respective courses in ILIAS until 20 April!

General information on the corona crisis are provided here.
The digital summer term 2020

• Since March 16, the University of Konstanz is in „Notbetrieb“ (standby operations) due to the Covid-19 pandemic

• The summer term 2020 officially starts April 20

• A general ban on public assembly is in place at least through June 15. On-campus courses are not allowed

→ At least half of the summer term will take place online!

• Summer term can be extented until September

→ There will be courses in July/August!

• Winter term 20/21 is planned to start October 26
Good news, bad news, and some requests

• The vast majority of courses will take place.

• Regarding the Master program, which is a highly practical one and relies on access to on-campus labs and equipment, the current situation means that many course dates will have to be postponed.

• In some cases this will amount to a total study length exceeding the normal program length.

• In order to participate in courses: it is essential that you register for your respective courses in ILIAS (ilias.uni-konstanz.de) as soon as possible, at the latest by April 20!
Botanische Bestimmungsübungen 2020
PD Dr. Veit Martin Dörken; Übung
Veranstaltungszeitraum: 01. Apr 2020 - 01. Okt 2021

Disease Biology II
For Master students in Biological Sciences and Life Science. This lecture series is independent of Disease Biology I (held in t
Anmeldungsendetermine: 17. Jul 2020, 17:10

Einführung in Bau und Funktion der Pflanzen 2020 - Vorlesung und Praktikum
Prof. Dr. Peter Kroth / Prof. Dr. Erika Isono / Dr. rer. nat. hab. Veit Dörken: Vorlesung.
Good news, bad news, and some requests

• The vast majority of courses will take place.

• Regarding the Master program, which is a highly practical one and relies on access to on-campus labs and equipment, the current situation means that many course dates will have to be postponed.

• In some cases this will amount to a total study length exceeding the normal program length.

• In order to participate in courses: it is essential that you register for your respective courses in ILIAS (ilias.uni-konstanz.de) as soon as possible, at the latest by April 20!

• Be patient and forgiving! Everyone is trying their best.
Finding your way on campus (when we are allowed again)

M + ML  Biology
U      Limnological Institute
A + R  lecture halls
N      library
K      refectory
Finding your way on campus (when we are allowed again)

M + ML  Biology
U  Limnological Institute
A + R  lecture halls
N  library
K  refectory
Welcome to the Department of Biology
Department of Biology – finding your way online

**Welcome!**

We are pleased to welcome you at the Department of Biology in Konstanz. The department and the biology student council would like to give you a helping hand in the beginning.

In the first week of the semester there is the *Orientation session for BSc students* with essential information about important dates, study regulations and examinations.

The new master’s students should join the *Orientation session for MSc freshmen*, which gives you important information about your studies, and the compulsory *module enrollment meeting*.

Furthermore, everybody is cordially invited to attend the *Peter-Hemmerich-lecture* which is followed by a mentoring session for Bachelor freshmen. (Peter Hemmerich was one of the first natural scientists in the founding of the University of Konstanz. He was very engaged professionally and socially as well.)

Before the lecture period begins we recommend the *Mathematical Preparatory Course*. It takes two weeks and is offered to new Bachelor students in Biology, Physics and Mathematics in all.

Also for the first-year Bachelor and Master students the *student council* arranges several activities to help you settle in Konstanz and get connected to your fellow students.

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**Before Studies:**
- Konstanz Online Study information system (KOS)

**Arriving in Konstanz**
- Reside in Konstanz
- Study in Konstanz
- Live in Konstanz

**Slides of the Orientation sessions**
- Bachelor Biological Sciences - 1. term (PDF, 7 MB)
- Bachelor Biological Sciences - 4. term (PDF, 2 MB)
- Bachelor Biological Sciences - 5. term (PDF, 2 MB)
- Master Biological Sciences (PDF, 11 MB)
- Bachelor of Education (PDF, 7 MB)
- Master of Education (PDF, 5 MB)
Department of Biology – finding your way online

Welcome to the Department of Biology

FAQ
Summer term 2020 online

Seminars

News

Information for First-Year Students
Department of Biology – finding your way online

Master Programmes at the Department of Biology

The Department of Biology offers the master programmes "Biological Sciences", "Life Science" and "Advanced Safety Sciences for Medicine".

Biological Sciences

Life Science

Advanced Safety Sciences for Medicine
M.Sc. Biological Sciences

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### Biological Sciences – Master of Science

The Master’s programme in Biological Sciences is a consecutive, increasingly research-oriented Master’s programme. The University of Konstanz offers a three-year Bachelor’s Programme in Biological Sciences as a relevant undergraduate study programme.

Our Master’s Programme in Biological Sciences offers a large selection of advanced and research-oriented courses. The study programme is designed for highly motivated students who will receive a first-class education from our highly qualified, international teachers. The broad spectrum of course contents offers in-depth knowledge in the biosciences and will prepare you in the best possible way for a future in research and teaching. In addition to the biosciences you can also apply for a focus area of study in the fields of ecology, evolution and behaviour, cellular and molecular biology or disease biology. This option of pursuing a focus area of study as part of the master's programme enables our students to gain thorough, scientifically founded qualifications in a specific area.

The seminars in the master's programme total no more than 15 students to ensure top quality teaching and supervision. All courses are held in English to support the programme's international approach. Each course concentrates on current research topics in various fields. A special emphasis is laid on methodical approaches and on research-based courses. In this way you will have access to high-grade, state-of-the-art research knowhow and technology. The master's programme also includes an integrated internship which you can carry out at an external research institution or a private company at home or abroad.

Above-average students can take the Fast Track option (without master's thesis) with direct admission to doctoral studies, thus shortening the overall study period.

#### Overview

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science</th>
</tr>
</thead>
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M.Sc. Biological Sciences

Structure of Master Biological Sciences

Curriculum

Regular Master of Biological Sciences last four semester. This includes a total of 120 ECTS with a Master thesis.

<table>
<thead>
<tr>
<th>Course Type</th>
<th>ECTS</th>
</tr>
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<tbody>
<tr>
<td>2 advanced courses</td>
<td>2x15</td>
</tr>
<tr>
<td>- a 3rd advanced course</td>
<td></td>
</tr>
<tr>
<td>- or 1 advanced course lecture + external internship</td>
<td>15</td>
</tr>
<tr>
<td>- or 1 advanced course lecture + 10 ECTS from abroad</td>
<td></td>
</tr>
<tr>
<td>preference and optional modules</td>
<td>8+19 ECTS</td>
</tr>
<tr>
<td>colloquium in 2 advanced courses</td>
<td>2x3</td>
</tr>
<tr>
<td>master preparation course</td>
<td>12</td>
</tr>
<tr>
<td>master thesis</td>
<td>30</td>
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</tbody>
</table>
## M.Sc. Biological Sciences

### Curriculum

Regular Master of Biological Sciences last four semester. This includes a total of 120 ECTS with a Master thesis.

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</tr>
<tr>
<td>master thesis</td>
<td>30 ECTS</td>
</tr>
</tbody>
</table>
Advanced courses (VTK)

Focus areas of the department’s research:
Cellular and molecular biology; Disease biology; Ecology, evolution and behavior

- Theoretical and Experimental Ecology and Evolution
- Biochemical Pharmacology
- Molecular Toxicology & Bioimaging
- Collective Animal Behaviour
- Playing with data: Quantitative tools for behavioral ecologists
- Molecular Microbiology and Cell Biology: Chaperone functions in health and disease
- Human and Environmental Toxicology
- Environmental Genomics
- Immunology
- Cell Biology – Cell Adhesion and Signal Transduction
- Physiology and Biochemistry of Plants
- Behavioral Neurobiology
- Global change ecology and plants
- Physiology, Ecology and Molecular Biology of Algae
- Novel in vitro Methods in Pharmacology and Toxicology
- Bioinformatics and X-Ray Structural Analysis
- Molecular Genetics: Cell cycle regulation – from mechanisms to disease
- Molecular Evolutionary Biology
- Dynamics of aquatic ecosystems
- Cellular Biochemistry
- Microbial Ecology and Limnic Microbiology
- Chemical Ecology / Biological Chemistry
- Biochemistry and Mass Spectrometry
- The role of microbes in stress response and resilience of aquatic metaorganisms
- Organismal Biology: Going Wild
Advanced courses (VTK)
### Advanced courses (VTK) – schedule summer term 2020

<table>
<thead>
<tr>
<th>1&lt;sup&gt;st&lt;/sup&gt; Half</th>
<th>27.04.20 – 05.06.20</th>
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<tbody>
<tr>
<td>Theoretical and Experimental Ecology and Evolution (Becks)</td>
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</tr>
<tr>
<td>Biochemical Pharmacology (Brunner)</td>
<td></td>
</tr>
<tr>
<td>Physiology and Biochemistry of Plants (Isono, Funck)</td>
<td></td>
</tr>
<tr>
<td>Physiology, Ecology and Molecular Biology of Algae (Kroth)</td>
<td></td>
</tr>
<tr>
<td>Molecular Evolutionary Biology (Meyer)</td>
<td></td>
</tr>
<tr>
<td>Organismal biology: Going wild (Wikelski, Dechmann. Aplin)</td>
<td></td>
</tr>
</tbody>
</table>

- **All other courses are postponed!**
- **New dates:** 27.07. – 28.08.20
  - (3<sup>rd</sup> half, only 5 weeks)

<table>
<thead>
<tr>
<th>2&lt;sup&gt;nd&lt;/sup&gt; Half</th>
<th>08.06.20 – 17.07.20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Microbiology and Cell Biology: Chaperone functions in health and disease (Deuerling)</td>
<td></td>
</tr>
<tr>
<td>Behavioral Neurobiology (Kleineidam and others)</td>
<td></td>
</tr>
<tr>
<td>Global change ecology and plants (van Kleunen and others)</td>
<td></td>
</tr>
<tr>
<td>Dynamics of aquatic ecosystems (Peeters)</td>
<td></td>
</tr>
<tr>
<td>Cellular Biochemistry (Scheffner)</td>
<td></td>
</tr>
<tr>
<td>Biochemistry and Mass Spectrometry (Stengel)</td>
<td></td>
</tr>
<tr>
<td>System Toxicology (N.N.)</td>
<td></td>
</tr>
</tbody>
</table>

- **All courses are postponed!**
- **New dates:** 15.06. – 24.07.20

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Universität Konstanz
Advanced courses (VTK) – schedule winter term 2020/21

Winter term 2020/2021:

1st Half  09.11.20 – 18.12.20  Collective Animal Behaviour (Couzin, Jordan, Farine)
             Human and Environmental Toxicology (Dietrich)
             Environmental Genomics (Epp)
             Immunology (Groettrup, Schmidtke)

1st Half  11.11.20 – 22.12.20  Molecular Genetics: Cell cycle regulation – from mechanisms to disease (T. Mayer)
                                Applied Bioinformatics (N.N.)

2nd Half  04.01.21 – 12.02.21  Molecular Toxicology & Bioimaging (Bürkle, May)
                                Cell Biology – Cell Adhesion and Signal Transduction (Hauck)
                                Novel *in vitro* Methods in Pharmacology & Toxicology (Leist)
                                Bioinformatics and X-Ray Structural Analysis (Mayans, Diederichs)
                                Microbial Ecology and Limnic Microbiology (Schleheck)
                                Chemical Ecology (Spiteller)
                                The role of microbes in stress response and resilience of aquatic metaorganisms (Voolstra)
                                Organismal biology: Going wild (Wikelski, Dechmann, Aplin)
Advanced courses (VTK)

Advanced course election

Coordinated by the students‘ council

When? 21.04.2020
How? Zoom?

** SS 2020 (27.04.-05.06.2020)**

<table>
<thead>
<tr>
<th>Nr.</th>
<th>Vertiefungskurs (Koordinator)</th>
<th>Anzahl Plätze(^a)</th>
<th>Res. Plätze</th>
<th>Belegte Plätze(^d)</th>
<th>Vakant Wahl SS 20</th>
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<td>Theoretical and Experimental Ecology and Evolution (Becks)</td>
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<td>13</td>
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<td>7</td>
<td>6</td>
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** SS 2020 (15.06.2020-24.07-2020)**

<table>
<thead>
<tr>
<th>Nr.</th>
<th>Vertiefungskurs (Koordinator)</th>
<th>Anzahl Plätze(^a)</th>
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<th>Belegte Plätze(^d)</th>
<th>Vakant Wahl SS 20</th>
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<td>2</td>
<td>Molecular Microbiology and Cell Biology (Deuerling)</td>
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<td>3</td>
<td>Behavioral Neurobiology (Klindjian and others)</td>
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<td>Global change ecology and plants (van Kleunen and others)</td>
<td>18</td>
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<td>5</td>
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<td>6</td>
<td>Cellular Biochemistry (Scheffner)</td>
<td>13</td>
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<tr>
<td>7</td>
<td>Cellular Biochemistry and Mass Spectrometry (Stengel)</td>
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\(^a\) = Anzahl der Plätze reduziert um die Hälfte der aufgenommenen Bachelor des Vorjahres (Studienjahrgang 2018/19)
\(^d\) = belegte Plätze aus vorhergehenden Wahlen oder ERASMUS-Austauschstudierende

***neu: SS 2020 (27.07.-28.08.2020) nur 5 Wochen***

<table>
<thead>
<tr>
<th>Nr.</th>
<th>Vertiefungskurs (Koordinator)</th>
<th>Anzahl Plätze(^a)</th>
<th>Res. Plätze</th>
<th>Belegte Plätze(^d)</th>
<th>Vakant Wahl SS 20</th>
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<tbody>
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<td>8</td>
<td>Biochemical Pharmacology (Brunner)</td>
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<td>10</td>
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<tr>
<td>9</td>
<td>Physiology and Biochemistry of Plants (Isono, Funck)</td>
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<td>Physiology, Ecology and Molecular Biology of Algae (Kroth)</td>
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<td>11</td>
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<td>12</td>
<td>Organismal Biology: going wild (Wikelski, Dechmann, Aplin)</td>
<td>8</td>
<td>0</td>
<td>5</td>
<td>3</td>
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<td>0</td>
<td>30</td>
<td>26</td>
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</table>
Department of Biology - people
Department of Biology - people

Professors

Prof. Dr. Lutz Becks
Professor for Aquatic Ecology and Evolution

Prof. Dr. Thomas Brunner
Professor for Biochemical Pharmacology

Prof. Dr. Alexander Bürkle
Professor for Molecular Toxicology

Prof. Dr. Iain Couzin
Professor for Biodiversity and Collective Behaviour

Contact
Phone: +49 7531 88 5371
Room: L908

Responsibilities
Biochemical Pharmacology
- extra-adrennergic steroid synthesis
- mechanisms of apoptotic cell death
- immune cell activation and immunopathologies

Write an e-mail

Profs. Dr. Margaret Crofoot
Professor for Ecology of Animal Societies

Prof. Dr. Elke Deuerling
Professor for Molecular Microbiology

Prof. Dr. Kay Diederichs
Professor for Molecular Bioinformatics

Prof. Dr. Daniel Dietrich
Professor for Ecotoxicology
Exam management using ZEuS

Starting in winter semester 2018/2019, students of Rechtswissenschaft (State Examination in Law) will be the first ones to register for and view their exams and respective grades via ZEuS.

If you are not a law student, you will see the new menu items, too, but you will need to wait until 2019 in order to use them. Until then, you can simply continue to manage your exams using StudS/examinations.

More information is available in the ZEuS wiki!

Soon you will be able to access the Career Service's new internship and job portal using ZEuS.

Here, you will find current internships, permanent and trainee positions as well as opportunities for working students and student assistants.

Please log in to access the following information and functions:
Advanced courses – course catalogue

Search for courses
Search for courses by search term or by extended search criteria.

Show current courses
The courses of current day will be shown (incl. date, room and teaching person). The date can be changed manually or by a calendar function.

Show university course catalogue
Show all courses in a hierarchic structure.

Show study programmes
Show courses of a course of study for a freely definable period.
Advanced courses – course catalogue

Semester: Summer Semester 2020

Course catalogue

- Permanent Link to course catalogue
- Bachelor Programmes - Major Subject of Study
- Bachelor Programmes - Minor Area of Study
- Master Programmes
- General Linguistics (88153H)
- Biological Sciences (88027H)
  - Introductory Events of the Department
  - Master's degree Biological Sciences modules
    - Number of third attempts
    - Extension Modules
- Preference Module
- Elective Courses
- Master Preparation Course
- Industrial Internship

Extension Modules

- Extension Modules Biology
  - BIO-12270 - Advanced Course: Applied research course for exchange students - Course
  - BIO-12240 - Advanced Course: Applied research course for exchange students - Course
  - BIO-12230 - Advanced Course: Applied research course for exchange students - Course
  - BIO-13740 - Advanced Course Neurobiology and Behaviour - Lecture with Colloquium
  - BIO-13750 - Advanced Course Neurobiology and Behaviour - Internship
  - BIO-10450 - Advanced Course: Biochemical Pharmacology - Lecture with Colloquium
  - BIO-11085 - Advanced Course: Biochemical Pharmacology - Internship
  - BIO-14390 - Advanced Course Biochemistry and Mass Spectrometry - Lecture with Colloquium
  - BIO-14490 - Advanced Course Biochemistry and Mass Spectrometry - Internship
  - BIO-10880 - Advanced Course Cellular Biochemistry - Lecture with Colloquium
  - BIO-11175 - Advanced Course Cellular Biochemistry - Internship
  - BIO-12520 - Advanced Course: Dynamics of aquatic Ecosystems - Lecture with Colloquium
  - BIO-12530 - Advanced Course: Dynamics of aquatic Ecosystems - Internship
## Advanced Course Biochemical Pharmacology

**Semesterwochenstunden:** 5.0  
**Sprache:** englisch  
**Verantwortliche/r:**  
- Prof. Dr. Thomas Brunner  
- Dr. Christian Schmidt

<table>
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<tr>
<th>Rhythmus</th>
<th>Wochentag</th>
<th>Von - Bis</th>
<th>Ausfalltermin</th>
<th>Startdatum - Enddatum</th>
<th>Frey. Tn.</th>
<th>Bemerkung</th>
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<td>08:15 - 13:15</td>
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<td>13.05.2020</td>
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<td>Journal Club I</td>
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<td>Einzeltermin</td>
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<td>27.07.2020 - 28.08.2020</td>
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Advanced courses (VTK) – priority tracks

- Attendance of two courses of the core modules guaranteed and compulsory
- A third course from either core module or from complementary module allocated depending on availability
- Distribution of the courses for students with priority track performed by Dr. Thomas Meergans
### Advanced courses (VTK) – priority track core modules

<table>
<thead>
<tr>
<th>Cellular and Molecular Biology</th>
<th>Disease Biology</th>
<th>Ecology, Evolution and Behavior</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isono</td>
<td>Brunner</td>
<td>Backs</td>
</tr>
<tr>
<td>Kroth</td>
<td>Biochemical Pharmacology</td>
<td>Theoretical and Experimental Ecology and Evolution</td>
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<tr>
<td>Deuerling</td>
<td>n.n.</td>
<td>Crofoot</td>
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<tr>
<td>Schefner</td>
<td>Leist</td>
<td>Kleineidam</td>
</tr>
<tr>
<td>Stengel</td>
<td>Disease Biology</td>
<td>van Kleunen</td>
</tr>
<tr>
<td>Mayer</td>
<td>Dietrich</td>
<td>Ecology, Evolution and Behavior</td>
</tr>
<tr>
<td>Diederichs/Mayans</td>
<td>Groettrup</td>
<td>van Kleunen</td>
</tr>
<tr>
<td>Hauck</td>
<td>Burkli/May</td>
<td>Physiology, Ecology and Molecular Biology of Algae</td>
</tr>
<tr>
<td>Schleheck</td>
<td>Hauck</td>
<td>Meyer</td>
</tr>
<tr>
<td>Spiteller</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Isono**: Physiology and Biochemistry of Plants
- **Kroth**: Physiology, Ecology and Molecular Biology of Algae
- **Deuerling**: Molecular Microbiology and Cell Biology
- **Schefner**: Cellular Biochemistry
- **Stengel**: Biochemistry and Mass Spectrometry
- **Mayer**: Molecular Genetics - Cell cycle regulation - from mechanisms to diseases
- **Diederichs/Mayans**: Bioinformatics and X-ray Structure Analysis
- **Hauck**: Cell Biology - Cell Adhesion and Signal Transduction
- **Schleheck**: Microbial Ecology and Limnic Microbiology
- **Spiteller**: Chemical Ecology
- **Brunner**: Biochemical Pharmacology
- **Leist**: Novel in vitro methods in Pharmacology and Toxicology
- **Dietrich**: Human and Environmental Toxicology
- **Groettrup**: Immunology
- **Burkli/May**: Molecular Toxicology and Bioimaging
- **Hauck**: Cell Biology - Cell Adhesion and Signal Transduction
- **Backs**: Theoretical and Experimental Ecology and Evolution
- **Crofoot**: Playing with data: Quantitative tools for behavioral ecologists includes field research in behavioral ecology
- **Kleineidam**: Behavioral Neurobiology
- **van Kleunen**: Global Change Ecology and Plants
- **Kroth**: Physiology, Ecology and Molecular Biology of Algae
- **Meyer**: Molecular Evolutionary Biology
- **Wikelski**: Organismal Biology: Going wild
- **Peeters**: Dynamics of Aquatic Systems
- **Couzin**: Collective Animal Behavior
- **Dietrich**: Human and Environmental Toxicology
- **Epp**: Environmental Genomics
- **Schleheck**: Microbial Ecology and Limnic Biology
- **Spiteller**: Chemical Ecology
- **Voolstra**: The role of microbes in stress response and resilience of aquatic metaorganisms
- **Wikelski**: Organismal Biology: Going wild
Advanced courses (VTK)

Acceptance of advanced course from other universities / from abroad:

• Acceptance from the coordinator of the corresponding advanced course in KN (confirmation as equivalent course)

• Participation in the lectures of the corresponding advanced course in KN

• Confirmation on the pass of the course (colloquium, report) from the other university (transcript of records)
**Advanced courses (VTK)**

**Curriculum**

Regular Master of Biological Sciences last four semester. This includes a total of 120 ECTS with a Master thesis.

<table>
<thead>
<tr>
<th>Course Type</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 advanced courses</td>
<td>2x15 ECTS</td>
</tr>
<tr>
<td>a 3rd advanced course</td>
<td></td>
</tr>
<tr>
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<tr>
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<td></td>
</tr>
<tr>
<td>preference and optional modules</td>
<td>8+19 ECTS</td>
</tr>
<tr>
<td>colloquium in 2 advanced courses</td>
<td>2x3 ECTS</td>
</tr>
<tr>
<td>master preparation course</td>
<td>12 ECTS</td>
</tr>
<tr>
<td>master thesis</td>
<td>30 ECTS</td>
</tr>
</tbody>
</table>
Advanced course + external internship

§ 12 Berufspraktische Tätigkeiten

(1) Berufspraktische Tätigkeiten (Betriebspraktikum) sollen jeweils einen Umfang von mindestens zwei Monaten haben. Diese Tätigkeit kann bei allen privaten und öffentlichen Einrichtungen im In- und Ausland absolviert werden, die geeignet sind, den Studierenden eine Anschauung von praktischen Tätigkeiten im Berufsfeld Biological Sciences zu vermitteln. Sie kann in höchstens zwei Abschnitte aufgeteilt werden.

(2) In Verbindung mit dem Betriebspraktikum ist der Vorlesungsteil eines Vertiefungsmoduls zu belegen (5 Credits). Diese Vorlesung kann vor oder nach dem berufspraktischen Teil als Studienleistung erbracht werden.

(3) Für das Betriebspraktikum als Bestandteil des Curriculums werden ECTS-Credits gemäß Anhang vergeben.

(4) Für die interne Betreuung des Betriebspraktikums wird in der Regel ein Hochschullehrer oder Privatdozent bestellt. Akademische Mitarbeiter mit langjähriger erfolgreicher Lehrtätigkeit können als Betreuer bestellt werden, wenn ihnen auf Vorschlag des Sektionsvorstandes vom Rektorat nach § 52 Abs. 1 Satz 5 LHG die Prüfungsbefugnis übertragen wurde.

(5) Die erfolgreiche Absolvierung des Betriebspraktikums ist durch einen qualifizierten Abschlussbericht zu belegen, der dem Betreuer (siehe Abs. 2) in der Regel spätestens 4 Wochen nach Ende des Praktikums vorzulegen ist.

Lecture of a third advanced course (VTK) in combination with an external internship (2 months)
### Advanced courses (VTK)

#### Curriculum

Regular Master of Biological Sciences last four semester. This includes a total of 120 ECTS with a Master thesis.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 advanced courses</td>
<td>2×15 ECTS</td>
</tr>
<tr>
<td>- a 3rd advanced course</td>
<td></td>
</tr>
<tr>
<td>- or 1 advanced course lecture + external internship</td>
<td>15 ECTS</td>
</tr>
<tr>
<td>- or 1 advanced course lecture + 10 ECTS from abroad</td>
<td></td>
</tr>
<tr>
<td>preference and optional modules</td>
<td>8+19 ECTS</td>
</tr>
<tr>
<td>colloquium in 2 advanced courses</td>
<td>2×3 ECTS</td>
</tr>
<tr>
<td>master preparation course</td>
<td>12 ECTS</td>
</tr>
<tr>
<td>master thesis</td>
<td>30 ECTS</td>
</tr>
</tbody>
</table>
Advanced courses (VTK) – collecting credits abroad

International cooperations

• 231 Erasmus+ Partner Universities
• 59 bilateral Oversea Partner Universities
• 7 State-to-State Programmes (1 CND, 5 USA, 1 Mexico)

Find more information on the webpage of the international office:

Please contact Dr. Sabine Kreißl!

University of Konstanz International

Exchange Studies, International Partnerships, Research Cooperation, Research Stays of Doctoral Candidates - Internationalisation is as versatile as our profile. Take a closer look at our offer!

Coronavirus: general information about the current situation at the University of Konstanz can be found here. Please note in particular points 4 (outgoings) and 5 (comings).
## Preference modules

### Curriculum

Regular Master of Biological Sciences last four semester. This includes a total of 120 ECTS with a Master thesis.

<table>
<thead>
<tr>
<th>Preference and optional modules</th>
<th>8+19 ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colloquium in 2 advanced courses</td>
<td>2×3 ECTS</td>
</tr>
<tr>
<td>Master preparation course</td>
<td>12 ECTS</td>
</tr>
<tr>
<td>Master thesis</td>
<td>30 ECTS</td>
</tr>
</tbody>
</table>

- 2 advanced courses: 2×15 ECTS
- 3rd advanced course
- 1 advanced course lecture + external internship: 15 ECTS
- 1 advanced course lecture + 10 ECTS from abroad
Preference modules

- Two courses have to be selected via ZEuS at the latest one week before the examination date
- Depending on individual interests, courses can be chosen from either winter or summer term

<table>
<thead>
<tr>
<th>Biological Sciences</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information for first-year students</td>
<td></td>
</tr>
<tr>
<td>Study Description</td>
<td></td>
</tr>
<tr>
<td>Curriculum</td>
<td></td>
</tr>
<tr>
<td>Priority Track: Cellular and Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>Priority Track: Disease Biology</td>
<td></td>
</tr>
<tr>
<td>Priority Track: Ecology, Evolution and Behavior</td>
<td></td>
</tr>
<tr>
<td>General Track: Biological Sciences</td>
<td></td>
</tr>
<tr>
<td>- Advanced Courses</td>
<td></td>
</tr>
<tr>
<td>- Preference and Optional Modules</td>
<td></td>
</tr>
<tr>
<td>Admission</td>
<td></td>
</tr>
<tr>
<td>Life Science</td>
<td></td>
</tr>
</tbody>
</table>

All Tracks:

Preference Modules:

<table>
<thead>
<tr>
<th>Biochemistry III</th>
<th>summer semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disease Biology II</td>
<td>summer semester</td>
</tr>
<tr>
<td>Evolutionary Organismal Biology</td>
<td>summer semester</td>
</tr>
<tr>
<td>Concepts in Ecology</td>
<td>winter semester</td>
</tr>
<tr>
<td>Disease Biology I</td>
<td>winter semester</td>
</tr>
<tr>
<td>Methods in Biology</td>
<td>winter semester</td>
</tr>
<tr>
<td>Pharmacology and Toxicology II</td>
<td>winter semester</td>
</tr>
</tbody>
</table>
Preference modules – course catalogue

Preference / elective modules

Within the priority track „Disease biology“ students have to enroll for the lectures *Disease Biology I+II* as well as for *Pharmacology and Toxicology II*
# Preference modules – examination dates summer term 2020

<table>
<thead>
<tr>
<th>Für Masterstudenten:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1.-3. Semester</strong> -</td>
<td><strong>Evolutionary Organismal Biology</strong></td>
</tr>
<tr>
<td>Hauptklausur</td>
<td>Montag, 20.07.2020, 17.00 - 19.00 Uhr</td>
</tr>
<tr>
<td>Nachklausur</td>
<td>Montag, 05.10.2020, 17.00 - 19.00 Uhr</td>
</tr>
<tr>
<td><strong>1.-3. Semester</strong> -</td>
<td><strong>Biochemie III</strong></td>
</tr>
<tr>
<td>Hauptklausur</td>
<td>Donnerstag, 23.07.2020, 17.00 - 19.00 Uhr</td>
</tr>
<tr>
<td>Nachklausur</td>
<td>Mittwoch, 07.10.2020, 17.00 – 19.00 Uhr</td>
</tr>
<tr>
<td><strong>1.-3. Semester</strong> -</td>
<td><strong>Disease Biology II</strong></td>
</tr>
<tr>
<td>Hauptklausur</td>
<td>Dienstag, 28.07.2020, 17.00 - 19.00 Uhr</td>
</tr>
<tr>
<td>Nachklausur</td>
<td>Freitag, 09.10.2020, 17.00 – 19.00 Uhr</td>
</tr>
</tbody>
</table>

Might be changed depending on ban on assembly.
Recession from examination – attestation form

Must be handed in at the departmental office by the latest two days after the exam!
Optional modules

Curriculum

Regular Master of Biological Sciences last four semester. This includes a total of 120 ECTS with a Master thesis.

<table>
<thead>
<tr>
<th>2 advanced courses</th>
<th>2×15 ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 3rd advanced course</td>
<td></td>
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<tr>
<td>master thesis</td>
<td>30 ECTS</td>
</tr>
</tbody>
</table>
Optional modules / elective courses – course catalogue

<table>
<thead>
<tr>
<th>Course catalogue</th>
<th>Semester</th>
<th>Summer Semester 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Catalogue Summer 2020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permanent Link to course catalogue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor Programmes - Major Subject of Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor Programmes - Minor Area of Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master Programmes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Linguistics (88153H)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biological Sciences (88027H)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introductory Events of the Department of Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s degree Biological Sciences major PO 2008</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Number of third attempts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Courses</td>
<td></td>
</tr>
<tr>
<td>Optional Courses in Mathematics and Natural Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional Courses from other faculties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master Preparation Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial Internship</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Oral Master thesis

Requirements:

- two full advanced courses (VTKs)

- a third full advanced course
  - or lecture part of a third advanced course plus external internship (2 months)
  - or lecture part of a third advanced course plus credits from abroad (one term)

- two courses of the preference module (4 credits each)

Final colloquia must be held in any two of the chosen full advanced courses. 3 ECTS credits are awarded for each colloquium.

Credits from the elective module (19 credits) have to be collected until the end of the Master program
Oral Master thesis

Form „Application for admission“:

- available at the departmental office (M 605)
- has to be returned at the latest three weeks in advance to the oral examination
Master preparation course and Master thesis

Curriculum

Regular Master of Biological Sciences last four semester. This includes a total of 120 ECTS with a Master thesis.

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 advanced courses</td>
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</tr>
<tr>
<td>master thesis</td>
<td>30 ECTS</td>
</tr>
</tbody>
</table>

The master preparation course (duration 3 months) has to start at the latest 4 weeks after the oral exam!

During the master preparation course topic for the master thesis has to be submitted at the latest two weeks before the end of the course.
Form „Application for release of the topic of the Master thesis“:

- available at the departmental office (M 605/M 606) or at the Central Examination Office (ZPA)

- Form has to be returned to the office of the departmental administrator (R. Kissmehl, M 606)
Master thesis and Master exam

**Master thesis**

- Duration max. 6 months (+ 1 month)

**Master exam (overall grade)**

- 40 % from the oral examinations (colloquia)
- 40 % from the Master thesis
- 20 % from the courses of the preference module
Exam regulations

For download and „study description“
To do

Form „Application for admission to examinations“:


- Form has to be returned via e-mail (Dekanat.Bio@uni-konstanz.de)

- Deadline: 08.05.2020
We hope this was helpful.

Questions?

Contact us via e-mail!

roland.kissmehl@uni.kn  ---  nina.schlotz@uni.kn