

Module Handbook (<https://modhb.uni-kl.de/>)

TUK (<https://www.uni-kl.de>) MODHB (<https://modhb.uni-kl.de/>) Homepage (/)

Notes on the module handbook of the department Biology

The below displayed informations on the courses of study, modules and courses of the department of Biology are still under construction. Till this process will be finished please use our module handbooks on

<https://www.bio.uni-kl.de/studium-lehre/studiengaenge/> (<https://www.bio.uni-kl.de/studium-lehre/studiengaenge/>)

Module BIO-TM1-M-4#7

Theoriemodul 1: „Biologische und Biologie-verwandte Theorie“ (M, 7.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
BIO-TM1-M-4#7	<i>Theoriemodul 1: „Biologische und Biologie-verwandte Theorie“</i>	7.0 CP (210 h)
BIO-TM1-M-4#6	<i>Theoriemodul 1: „Biologische und Biologie-verwandte Theorie“</i>	6.0 CP (180 h)
BIO-TM1-M-4#5	<i>Theoriemodul 1: „Biologische und Biologie-verwandte Theorie“</i>	5.0 CP (150 h)
BIO-TM1-M-4#4	<i>Theoriemodul 1: „Biologische und Biologie-verwandte Theorie“</i>	4.0 CP (120 h)
BIO-TM1-M-4#3	<i>Theoriemodul 1: „Biologische und Biologie-verwandte Theorie“</i>	3.0 CP (90 h)

Basedata

CP, Effort	7.0 CP = 210 h
Position of the semester	1 Sem. in WiSe/SuSe
Level	[4] Bachelor (Specialization)
Language	[DE/EN] German or English as required
Module Manager	
Lecturers	Lecturers of the department Biology
Reference course of study	[BIO-82.26-SG] B.Sc. Biology (/mhb/FB-BIO/cos-504/)
Lifecycle-State	[NORM] Active

Notice

Das TM 1 umfasst mehrere theoretische Lehrveranstaltungen aus frei wählbaren, biologischen und Biologie-verwandten Themengebieten verschiedener Fachbereiche der TU Kaiserslautern. In einigen der Lehrveranstaltungen werden neben

vertiefender Theorie auch Präsentationstechniken und/oder andere allgemeine berufsqualifizierende Fähigkeiten/Informationen angeboten. Für das TM 1 und das Nebenfachmodul (NM) sind insgesamt 15 LP zu erbringen, d. h. 3-7 (TM 1) bzw. 8-12 LP (NM) in Abhängigkeit zueinander.

Wählbare Lehrveranstaltungen werden über das Internet (u.a. KIS-Office) rechtzeitig bekannt gegeben.

Courses

Type/SWS	Course Number	Choice in Module-Part	SL	PL	CP	Sem.
C	BIO-BIO-01-K-4 (/mhb/courses/BIO-BIO-01-K-4/)	WP	-	no	1.0	WiSe/SuSe
1S	BIO-MCY-01-K-4 (/mhb/courses/BIO-MCY-01-K-4/)	WP	SEM-Schein	no	1.0	WiSe/SuSe
2S	BIO-MBP-04-K-4 (/mhb/courses/BIO-MBP-04-K-4/)	WP	SEM-Schein	no	3.0	SuSe
2S	BIO-ECO-07-K-4 (/mhb/courses/BIO-ECO-07-K-4/)	WP	SEM-Schein	no	2.0	WiSe
2S	BIO-ZBI-01-K-4 (/mhb/courses/BIO-ZBI-01-K-4/)	WP	SEM-Schein	no	3.0	WiSe
1S	BIO-TPH-13-K-3 (/mhb/courses/BIO-TPH-13-K-3/)	WP	SEM-Schein	no	1.0	SuSe
2S	BIO-BIO-17-K-4 (/mhb/courses/BIO-BIO-17-K-4/)	WP	REF	no	2.0	WiSe/SuSe
2S	BIO-ZBI-04-K-4 (/mhb/courses/BIO-ZBI-04-K-4/)	WP	REF	no	3.0	SuSe
S	BIO-TPH-02-K-4 (/mhb/courses/BIO-TPH-02-K-4/)	WP	K-Schein	no	2.0	SuSe
4V	BIO-TPH-04-K (/mhb/courses/BIO-TPH-04-K/)	WP	K-Schein	no	6.0	SuSe
2V	BIO-PPA-04-K-4 (/mhb/courses/BIO-PPA-04-K-4/)	WP	K-Schein	no	3.0	SuSe
2S	BIO-PPA-04A-K-4 (/mhb/courses/BIO-PPA-04A-K-4/)	WP	SEM-Schein	no	3.0	SuSe
L	BIO-POS-16-K-4 (/mhb/courses/BIO-POS-16-K-4/)	WP	L-Schein	no	3.0	SuSe
3V	BIO-BTE-12-K-4 (/mhb/courses/BIO-BTE-12-K-4/)	WP	U-Schein	no	3.0	SuSe
2S	BIO-ECO-04-K-4 (/mhb/courses/BIO-ECO-04-K-4/)	WP	SEM-Schein	no	2.0	SuSe
2V	BIO-MBI-07-K-4 (/mhb/courses/BIO-MBI-07-K-4/)	WP	PROT	no	3.0	WiSe
1V	BIO-TPH-10-K-4 (/mhb/courses/BIO-TPH-10-K-4/)	WP	-	no	1.0	WiSe
3U	BIO-MBP-11-K-4 (/mhb/courses/BIO-MBP-11-K-4/)	WP	TEILN	no	3.0	WiSe
2S	SO-04-7.120-K-1 (/mhb/courses/SO-04-7.120-K-1/)	P	TEILN	no	2.0	SuSe

- About [BIO-BIO-01-K-4]: Title: "Biological Research Seminar (external invited speakers)";
- About [BIO-BIO-01-K-4]:

Als Nachweis der Anwesenheit ist eine Bestätigung (Unterschrift) für die einzelnen Vorträge ist zu erbringen.

- About [BIO-MCY-01-K-4]: Title: "Chromosomenbiologie"; Presence-Time: 18 h; Self-Study: 12 h
- About [BIO-MCY-01-K-4]: The study achievement [SEM-Schein] proof of successful participation in the seminar must be obtained.
- About [BIO-MBP-04-K-4]: Title: "Membrane Biophysics"; Presence-Time: 28 h; Self-Study: 62 h
- About [BIO-MBP-04-K-4]: The study achievement [SEM-Schein] proof of successful participation in the seminar must be obtained.

- About **[BIO-ECO-07-K-4]**: Title: "Molecular Ecology"; Presence-Time: 28 h; Self-Study: 32 h
- About **[BIO-ECO-07-K-4]**: The study achievement **[SEM-Schein] proof of successful participation in the seminar** must be obtained.
- About **[BIO-ZBI-01-K-4]**: Title: "Molecular Basis of Human Diseases"; Presence-Time: 28 h; Self-Study: 62 h
- About **[BIO-ZBI-01-K-4]**: The study achievement **[SEM-Schein] proof of successful participation in the seminar** must be obtained.
- About **[BIO-TPH-13-K-3]**: Title: "Statistics for (Neuro-) Biologists"; Presence-Time: 14 h; Self-Study: 16 h
- About **[BIO-TPH-13-K-3]**: The study achievement **[SEM-Schein] proof of successful participation in the seminar** must be obtained.
- About **[BIO-BIO-17-K-4]**: Title: "Biolog*innen im Beruf – Berufsfelder und -perspektiven"; Presence-Time: 28 h; Self-Study: 32 h
- About **[BIO-BIO-17-K-4]**: The study achievement **[REF] seminar paper** must be obtained.
- About **[BIO-ZBI-04-K-4]**: Title: "Molecular Cell Biology"; Presence-Time: 28 h; Self-Study: 62 h
- About **[BIO-ZBI-04-K-4]**: The study achievement **[REF] seminar paper** must be obtained.
- About **[BIO-TPH-02-K-4]**: Title: "Fundamental Neurobiology: Molecules, Structures, Functions"; Presence-Time: 24 h; Self-Study: 36 h
- About **[BIO-TPH-02-K-4]**: The study achievement **[K-Schein] proof of successful participation in written examination** must be obtained.
- About **[BIO-TPH-04-K]**: Title: "Physiological, biological and clinical aspects of hearing"; Presence-Time: 56 h; Self-Study: 124 h
- About **[BIO-TPH-04-K]**: The study achievement **[K-Schein] proof of successful participation in written examination** must be obtained.
- About **[BIO-PPA-04-K-4]**: Title: "Molecular Plant Pathology"; Presence-Time: 28 h; Self-Study: 62 h
- About **[BIO-PPA-04-K-4]**: The study achievement **[K-Schein] proof of successful participation in written examination** must be obtained.
- About **[BIO-PPA-04A-K-4]**: Title: "Molecular Plant Pathogen Interactions"; Presence-Time: 28 h; Self-Study: 62 h
- About **[BIO-PPA-04A-K-4]**: The study achievement **[SEM-Schein] proof of successful participation in the seminar** must be obtained.
- About **[BIO-POS-16-K-4]**: Title: "Biodiversity of native plants"; Self-Study: 90 h
- About **[BIO-POS-16-K-4]**: The study achievement **[L-Schein] proof of successful participation in the practical course / lab** must be obtained.
- About **[BIO-BTE-12-K-4]**: Title: "Wissenschaftliche Programmierung für Biologen"; Presence-Time: 42 h; Self-Study: 48 h
- About **[BIO-BTE-12-K-4]**: The study achievement **[U-Schein] proof of successful participation in the exercise classes (ungraded)** must be obtained.
- About **[BIO-ECO-04-K-4]**: Title: "Current topics in molecular ecology"; Presence-Time: 28 h; Self-Study: 32 h
- About **[BIO-ECO-04-K-4]**: The study achievement **[SEM-Schein] proof of successful participation in the seminar** must be obtained.
- About **[BIO-MBI-07-K-4]**: Title: "Principles in Virology"; Presence-Time: 28 h; Self-Study: 62 h
- About **[BIO-MBI-07-K-4]**: The study achievement **[PROT] protocols / scientific posters** must be obtained.
- About **[BIO-TPH-10-K-4]**: Title: "Synaptic Physiology / Synaptic Plasticity"; Presence-Time: 14 h; Self-Study: 16 h
- About **[BIO-MBP-11-K-4]**: Title: "TM1 Biophysik"; Presence-Time: 42 h; Self-Study: 48 h
- About **[BIO-MBP-11-K-4]**: The study achievement **[TEILN] continuous and active participation in the courses** must be obtained.
- About **[SO-04-7.120-K-1]**: Title: "Philosophie der Biologie"; Presence-Time: 28 h; Self-Study: 32 h
- About **[SO-04-7.120-K-1]**: The study achievement **[TEILN] continuous and active participation in the courses** must be obtained.

Evaluation of grades

The module is not graded (only study achievements)..

Competencies / intended learning achievements

Folgende Kompetenzen sollen gefördert werden:

- **Fachkompetenz:** vertieftes Wissen in ausgewählten Themengebieten der Biologie und Biologie-verwandten Fachrichtungen;
- **Methodenkompetenz:** forschungsrelevante und berufsqualifizierende Kompetenzen in der gewählten Fachrichtung; allgemeine, berufsqualifizierende Schlüsselqualifikationen, z.B. Fähigkeit zur fachlichen Kommunikation, Diskussion und Präsentation, z.T. in englischer Sprache
- **personale Kompetenz:** -
- **Sozialkompetenz:** Diskussionsfähigkeit im wissenschaftlichen Kontext

Angestrebte Lernergebnisse:

Mit erfolgreichem Abschluss des Moduls werden die Studierenden u.a. in der Lage sein,

- ihr Wissen in biologischen und verwandten Themengebiete selbständig zu vertiefen.
- eigene und/oder publizierte Forschungsergebnisse adäquat zu interpretieren und in mündlicher oder schriftlicher Form zu präsentieren.

Literature

Je nach Wahl (siehe KIS-Office)

Materials

Je nach Wahl (siehe KIS-Office)

Registration

Je nach Wahl (siehe KIS-Office)

Requirements for attendance (informal)

Inhalte aller 19 Grundmodule

Requirements for attendance (formal)

Zulassung zum Bachelorstudiengang Biologie

References to Module / Module Number [BIO-TM1-M-4#3]

Course of Study	Section	Choice/Obligation
[BIO-82.?-SG] B.Sc. B.Sc. Molecular Biology (/mhb/FB-BIO/cos-697/)	Theoriemodule	[WP] Compulsory Elective
[BIO-82.26-SG] B.Sc. Biology (/mhb/FB-BIO/cos-504/)	Theoriemodule	[WP] Compulsory Elective

References to Module / Module Number [BIO-TM1-M-4#4]

Course of Study	Section	Choice/Obligation
[BIO-82.?-SG] B.Sc. B.Sc. Molecular Biology (/mhb/FB-BIO/cos-697/)	Theoriemodule	[WP] Compulsory Elective
[BIO-82.26-SG] B.Sc. Biology (/mhb/FB-BIO/cos-504/)	Theoriemodule	[WP] Compulsory Elective

References to Module / Module Number [BIO-TM1-M-4#5]

Course of Study	Section	Choice/Obligation
[BIO-82.?-SG] B.Sc. B.Sc. Molecular Biology (/mhb/FB-BIO/cos-697/)	Theoriemodule	[WP] Compulsory Elective
[BIO-82.26-SG] B.Sc. Biology (/mhb/FB-BIO/cos-504/)	Theoriemodule	[WP] Compulsory Elective

References to Module / Module Number [BIO-TM1-M-4#6]

Course of Study	Section	Choice/Obligation
[BIO-82.?-SG] B.Sc. B.Sc. Molecular Biology (/mhb/FB-BIO/cos-697/)	Theoriemodule	[WP] Compulsory Elective
[BIO-82.26-SG] B.Sc. Biology (/mhb/FB-BIO/cos-504/)	Theoriemodule	[WP] Compulsory Elective

References to Module / Module Number [BIO-TM1-M-4#7]

Course of Study	Section	Choice/Obligation
[BIO-82.?-SG] B.Sc. B.Sc. Molecular Biology (/mhb/FB-BIO/cos-697/)	Theoriemodule	[WP] Compulsory Elective
[BIO-82.26-SG] B.Sc. Biology (/mhb/FB-BIO/cos-504/)	Theoriemodule	[WP] Compulsory Elective