

Module Catalogue

for the Subject

Biology

as vertieft studiertes Fach (studied with a focus on the
scientific discipline)
with the degree "Erste Staatsprüfung für das Lehramt an
Gymnasien"

Examination regulations version: 2026
Responsible: Faculty of Biology

Contents

The subject is divided into	3
Abbreviations used, Conventions, Notes, In accordance with	4
Scientific Discipline	5
Compulsory Courses	6
Compulsory Electives	7
Developmental biology	8
Advanced Biology	9
Teaching	10
Compulsory Courses	11
Internship in school	12
Practical Training in Didactics and Teaching Methodology and accompanying tutorial in Biology (Gymnasium)	13
Freier Bereich (general as well as subject-specific electives)	14
Biology	15
Hausarbeit (thesis)	16
Thesis in Biology (Gymnasium)	17

The subject is divided into

section / sub-section	ECTS credits	starting page
Scientific Discipline	92	5
Compulsory Courses	80	6
Compulsory Electives	12	7
Developmental biology	4	8
Advanced Biology	8	9
Teaching	10	10
Compulsory Courses	10	11
Internship in school	4	12
Freier Bereich (general as well as subject-specific electives)	0-15	14
Biology		15
Hausarbeit (thesis)	10	16

Abbreviations used

Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V** = lecture

Term: **SS** = summer semester, **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: **(L)ASPO** = general academic and examination regulations (for teaching-degree programmes), **FSB** = subject-specific provisions, **SFB** = list of modules

Other: **A** = thesis, **LV** = course(s), **PL** = assessment(s), **TN** = participants, **VL** = prerequisite(s)

Conventions

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Notes

Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should the module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with

the general regulations governing the degree subject described in this module catalogue:

LASPO2015

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

??-???-2026 (2026-??)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Scientific Discipline

(92 ECTS credits)

Compulsory Courses

(80 ECTS credits)

Compulsory Electives

(12 ECTS credits)

Developmental biology

(4 ECTS credits)

Advanced Biology

(8 ECTS credits)

Teaching

(10 ECTS credits)

Compulsory Courses

(10 ECTS credits)

Internship in school

(4 ECTS credits)

Students studying for a teaching degree Gymnasium must complete a practical training in didactics and teaching methodology (studienbegleitendes fachdidaktisches Praktikum) which refers to one of the subjects they selected as vertieft studiertes Fach (subject studied with a focus on the scientific discipline) pursuant to Section 34 Subsection 1 No. 4 LPO I (examination regulations for teaching-degree programmes). The obligatory accompanying tutorial is offered by the respective subject. The ECTS credits obtained are counted in the subject Erziehungswissenschaften pursuant to Section 10 Subsection 3 LASPO (general academic and examination regulations for teaching-degree programmes).

Module title		Abbreviation
Practical Training in Didactics and Teaching Methodology and accompanying tutorial in Biology (Gymnasium)		07-GY-FDSP-152-m01
Module coordinator		Module offered by
head of group Didactics of Biology		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
4	(not) successfully completed	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
The one-semester practical training in didactics and teaching methodology (<i>studienbegleitendes fachdidaktisches Praktikum</i>) for students pursuing a teaching degree <i>Gymnasium</i> will provide students with an opportunity to make subject-specific observations, under the guidance of an experienced teacher, of how pupils and teachers act in the classroom. In the course accompanying the practical training, students will analyse the experiences they made at school in detail and will become familiar with fundamental principles of biology didactics. They will also acquire an advanced knowledge on how to plan, structure and deliver lessons and will implement what they have learned, delivering several lessons to their placement classes and preparing didactic analyses.		
Intended learning outcomes		
- Knowledge on how to structure problem-based biology lessons. Overview of teaching methods, modes of interaction in the classroom, teaching aids as well as methods in biology. Insight into the diverse range of tasks a teacher's job includes. Overview of the disciplinary measures teachers may take. Ability to translate topics from the curriculum, in a didactically reduced manner, into teaching sequences, teaching units and lessons.		
Courses (type, number of weekly contact hours, language — if other than German)		
S (2) + P (4)		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
term paper (15 to 20 pages) Participation in mandatory teaching practice, completion of all set tasks as specified by the placement school. creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
120 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 34 I S. 1 Nr. 4		

Freier Bereich (general as well as subject-specific electives)

(0-15 ECTS credits)

Teaching degree students must take modules worth a total of 15 ECTS credits in the area Freier Bereich (general as well as subject-specific electives) (Section 9 LASPO (general academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modules from the areas below.

Freier Bereich -- interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex "Ergänzende Bestimmungen für den "Freien Bereich" im Rahmen des Studiums für ein Lehramt".

Biology

(ECTS credits)

(Freier Bereich (general as well as subject-specific electives) -- subject specific)

Hausarbeit (thesis)

(10 ECTS credits)

Preparation of a written Hausarbeit (thesis) in accordance with the provisions of Section 29 LPO I (examination regulations for teaching-degree programmes) is a prerequisite for teaching degree students to be admitted to the Erste Staatsprüfung (First State Examination). In accordance with the provisions of Section 29 LPO I, students studying for a teaching degree Gymnasium may write this thesis in one of the subjects they selected as vertieft studiertes Fach (subject studied with a focus on the scientific discipline) or in the subject Erziehungswissenschaften (Educational Science). Pursuant to Section 29 Subsection 1 Sentence 2 LPO I, students may also choose to write an interdisciplinary thesis.

Module title		Abbreviation
Thesis in Biology (Gymnasium)		07-GY-HA-152-m01
Module coordinator		Module offered by
head of group Didactics of Biology		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
10	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Students pursuing a teaching degree <i>Gymnasium</i> who have selected biology as their <i>vertieft studiertes Fach</i> (subject studied with a focus on the scientific discipline) may write their <i>Hausarbeit</i> (thesis) in biology didactics or in a subject discipline of biology. Within a given time frame, students will independently research and write on a topic, applying the necessary methods.		
Intended learning outcomes		
Students will be able to address a defined problem, applying scientific approaches and methods. They will use didactic or scientific methods appropriate to the respective topic. Working on this thesis, students will enhance their scientific writing skills (structuring papers, citing sources etc.).		
Courses (type, number of weekly contact hours, language — if other than German)		
No courses assigned to module		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
written thesis (30 to 50 pages)		
Allocation of places		
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Additional information		
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Workload		
300 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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