Module title	Abbreviation
Ethics and Legal Regulations of Molecular Life Sciences	08-BC-ELW-222-m01

Module coordinator	Module offered by
chairperson of examination committee Bachelor Biochemie (Biochemstry)	Chair of Biochemistry

ECTS	Method of grading	Only after succ. compl. of module(s)
3	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	undergraduate	--

Contents

This module has two parts. One part introduces the central ethical issues of molecular life sciences. The first part will be taught in a lecture and a related seminar. The other part, which will be taught in an additional lecture, conveys the subject field of legal requirements regarding genetic engineering and biosafety. This module will also cover ethical and legal guidelines to safeguard Good Scientific Practice.

Intended learning outcomes

Students will be able to argue critically and rational about the ethical standards for professional practices. They have workable knowledge about ethical issues, theories, and methods related to molecular life sciences, allowing them to argue systematically. The students know the necessary infrastructure and usage rules for the different security levels of genetic engineering facilities. They have mastered the basics of genetic engineering in theory and are able to describe relevant examples of the use of gene technology and to explain the associated safety issues.

Courses (type, number of weekly contact hours, language — if other than German)

V (1) + S (1) + V (1)
Module taught in: German

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

a) written examination (approx. 45 to 90 minutes) or
b) oral examination of one candidate each (20 to 30 minutes) or
c) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or
d) presentation (20 to 30 minutes) or
e) term paper (8 to 12 pages)
Language of assessment: German
Assessment offered: every semester

Allocation of places

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Additional information

Regular attendance at the seminar dates (minimum 80%) is a prerequisite for admission to assessment.

Workload

90 h

Teaching cycle

Teaching cycle: Once a year, summer semester

Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Bachelor' degree (1 major) Biochemistry (2022)