



Faculty of Health, Science and Technology
Biology

Syllabus

Bachelor's thesis in Biology

Course Code: BIGC16

Course Title: Bachelor's thesis in Biology
Kandidatuppsats i biologi

Credits: 15

Degree Level: Undergraduate level

Progressive Specialisation: First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contains degree proj. for B.A./B.Sc. (G2E)

Major Field of Study:
BIA (Biology)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2023-09-05, and is valid from the Spring semester 2024 at Karlstad University.

Prerequisites

Registered for 60 ECTS credits in Biology, including cell biology, botany, ecology, and zoology in equal measure, with 45 ECTS credits completed, and a specialisation course (G2F) in Biology of at least 15 ECTS credits, or equivalent

Learning Outcomes

Upon completion of the course, students should be able to:

- seek, collect, evaluate, and critically review scientific literature in the field of biology,
- independently plan and complete an individual research project in biology within given time limits,
- analyse and compile data and information and make relevant assessments on the basis of the compiled data and information,

- reflect upon and assess research questions and research topics in biology in terms of ethics,
- present and discuss their results orally and in writing,
- adapt the design of the presentation to a given audience,
- independently identify their need of further knowledge and enhance their knowledge in special areas of biology.

Content

Students carry out an individual project, building on and developing previous studies in biology, on a topic chosen in consultation with the examiner. Parallel to the project, the course includes a mandatory literature module and mandatory seminars that are part of the examination.

Instruction is in the form of continuous supervision of the project. The completed project is presented in the form of a written thesis, which is presented orally and peer reviewed.

Reading List

See separate document.

Examination

Assessment is based on a completed individual written project, an oral presentation of the project, peer review of another student's work, and a written hand-in assignment on the mandatory seminars, including aspects of research ethics.

Seminars for oral presentations and peer review take place at Karlstad University.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.

Excursions involving extra costs for the students and overnight stays off campus may be included.

BIGC11 Practical Course in Biology, or similar, does not qualify students for this course.