



Board of Teacher Education
Biology

Syllabus

Biology and Biology Teaching 4

Course Code:	BIAL91
Course Title:	Biology and Biology Teaching 4 <i>Biologi med didaktisk inriktning 4</i>
Credits:	7.5
Degree Level:	Master's level
Progressive Specialisation:	Second cycle, has only first-cycle course/s as entry requirements (A1N)

Major Field of Study:

Course Approval

The syllabus was approved by the Board of Teacher Education 2015-09-29, and is valid from the Autumn semester 2016 at Karlstad University.

Prerequisites

BIGL01, BIGL02 and BIGL03 or equivalent

Learning Outcomes

The aim of the course is that students enhance their understanding of their future professional role. Students are expected to acquire good and relevant knowledge of sustainable development in a teaching perspective. On the basis of subject knowledge students develop skills in stimulating pupils' understanding of a science approach to issues to social relevance.

Upon completion of the course (Teaching and Learning for Sustainable Development, 7.5 ECTS cr), students should be able to:

1. Describe and give an account of the concept sustainable development and its different aspects such as ecological, economic and social perspective.
2. Give an account of and discuss various research theories of global development issues and environment problems, climate change as well as ecological processes and ecosystem services.
3. Discuss how we affect ecological processes, exploit natural resources, and how lifestyles impact on global environment problems and a sustainable society in terms of science theories.
4. Reflect on sustainable development in relation to intercultural, global and democratic issues as well as to aspects of equity and equality.
5. Describe and give an account of educational theories on sustainable development, global environment issues and how national and international guidelines affect teaching.
6. Discuss the concept of sustainable development in relation to professional practice.

Content

The course is linked to subject teaching and future teaching practice. In the didactic components the

importance of curricula to the teaching of sustainable development are analysed and educational theories in the area are studied. The course takes an holistic approach to sustainability issues based on social, ecological and economic perspectives, and this provides a view of the role of various actors in efforts towards sustainable development centrally. The perspectives of democracy, equity and equality are treated as are global and local survival issues, which are linked to natural resource utilisation and lifestyle issues.

Reading List

See separate document.

Examination

All examination components are mandatory, Assessments are individual.

Learning outcomes 1 and 5 are assessed on the basis of individual assignments.

Learning outcomes 2, 3 and 4 are assessed on the basis of a written exam.

Learning outcome 6 is assessed on the basis of performance in seminar.

Grades

One of the grades Pass with 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.

Teacher Education: Secondary School