



Faculty of Health, Science and Technology
Biology

Syllabus

Conservation Science for Sustaining Biodiversity

Course Code:	BIAD21
Course Title:	Conservation Science for Sustaining Biodiversity <i>Naturvårdsvetenskap för bevarande av biodiversitet</i>
Credits:	15
Degree Level:	Master's level
Progressive Specialisation:	Second cycle, has only first-cycle course/s as entry requirements (A1N)

Major Field of Study:
BIA (Biology)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2023-02-22, and is valid from the Autumn semester 2023 at Karlstad University.

Prerequisites

Biology, 75 ECTS credits, including 15 ECTS credits in Ecology at the G2F level or higher, and upper secondary level English 6, or equivalent

Learning Outcomes

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

- give an account of the concepts biological diversity and anthropogenic mass extinction and relate them to the well-being of humans,
- explain and analyse how terrestrial and aquatic species react to and are affected by the environment and human activities,
- explain and analyse how terrestrial and aquatic species can be preserved through evidence-based conservation efforts, and
- search for, summarise, critically assess, and evaluate current research articles and relevant ethical aspects such as social and ecological justice, gender equality, and diversity

in written and oral argumentation.

Content

The course covers the concepts of biological diversity, anthropogenic mass extinction, and sustainable solutions to the biodiversity crisis. Current research studies on biological diversity are used to help students learn to find out, discuss, synthesise, and report orally and in writing how biological diversity can be sustained. Students present and discuss relevant research articles in seminars, and complete a group project on a relevant issue of their own choice and present their results orally and in writing.

Reading List

See separate document.

Examination

Assessment is based on an individual written exam, written hand-in assignments, oral presentations completed individually and in groups, and seminar discussions of the students' own work.

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.