



Faculty of Health, Science and Technology
Biology

Syllabus

Scientific theoretical perspectives on subject-specific education 2

Course Code:

DIA112

Course Title:

Scientific theoretical perspectives on subject-specific education 2
Vetenskapsteoretiska perspektiv på ämnesdidaktik 2

Credits:

7.5

Degree Level:

Master's level

Progressive

Second cycle, has second-cycle course/s as entry requirements

Specialisation:

(A1F)

Major Field of Study:

DHS (Subject-Specific Education in Arts and Social Sciences)
DNT (Subject-specific Education in Mathematics, Science and Technology)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2024-02-14, and is valid from the Spring semester 2025 at Karlstad University.

Prerequisites

A teaching degree of at least 180 ECTS credits, plus upper secondary level Swedish 3 or Swedish as a second language 3, or equivalent

Learning Outcomes

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

1. analyse and discuss critically what types of knowledge are enabled by different theory of science approaches,
2. explain how a research problem is based on a specific theory of science approach, and
3. analyse and examine critically the possibilities and limitations that a chosen theoretical approach may involve for the scientific claims of a research study.

Content

The course treats the role of theory for research in the field of subject-specific education, especially the possibilities and limitations that a theoretical approach may involve for the scientific claims that can be made based on the results of a study. The course also covers the normative aspect of research in the field of subject-specific education in terms of theory of science and critical perspectives.

Reading List

See separate document.

Examination

Assessment is based on active participation in seminars and individual written hand-in assignments.

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.