



Board of Teacher Education
Physics

Syllabus

Subject-specific education

Course Code:	LPAK15
Course Title:	Subject-specific education <i>Ämnesdidaktik</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 2019-02-11, and is valid from the Autumn semester 2019 at Karlstad University.

Prerequisites

Admitted to pedagogical bridging programme after third-cycle qualification, LPGKF8 completed, and enrolled in LPGK10 and LPGK11.

Learning Outcomes

The aim of the course is that students develop knowledge and understanding of how teachers can plan their teaching and use assessment as a basis for developing pupils' learning. They take into account subject-specific education perspectives on teaching and learning, with a focus on one or two specific subjects and a general perspective on several subjects.

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

1. Plan and problematise teaching in their chosen subjects on the basis of a subject-specific education perspective,

2. Discuss and analyse how formative and summative assessment can promote pupils' learning in their chosen subjects,
3. Critically examine different types of assessment materials in their chosen subjects in terms of pedagogical and subject-specific teaching models/theories/perspectives.

Content

The course covers the following:

- how different types of teaching in the given combination of subjects relate to steering documents and research on subject-specific education
- the implications of a science and/or mathematics approach, and conditions for subject integrated teaching
- factors that impact pupils' attitudes, interest, and motivation in relation to the combination of subjects
- practical examples of assessment and grading, including various types of national assessment guides, such as the test bank provided by the Agency of Education and the national tests
- current subject-specific education research on assessment and evaluation

The course includes varied forms of work and the students take active part in, for instance, group conversations and seminars.

Reading List

See separate document.

Examination

Learning outcomes 1, 2, and 3 are assessed on the basis of individual written assignments which are also presented orally.

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.