



Faculty of Arts and Social Sciences
Economics

Syllabus

Advanced methods in applied economics

Course Code:	NEAD37
Course Title:	Advanced methods in applied economics <i>Avancerade metoder i tillämpad nationalekonomi</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:
NAA (Economics)

Course Approval

The syllabus was approved by the Faculty of Arts and Social Sciences 2026-01-27, and is valid from the Autumn semester 2026 at Karlstad University.

Prerequisites

90 credits in Economics, including at least 30 credits at G2F level or higher. An equivalence assessment can be made.

Learning Outcomes

Upon completion of the course, students should be able to

1. carry out information searches in Swedish and international computer-based information systems,
2. perform the data-processing steps required for advanced applied analysis in economics,
3. visualise data to troubleshoot, interpret, and explain the data,
4. formulate well-defined research questions and independently design, interpret, and discuss scientific studies in relation to these,
5. implement and interpret methods from advanced applied economics using data that they have independently collected and processed, and
6. apply academic standards in an academic project.

Content

The course introduces steps that are central to advanced analysis in applied economics. This includes collecting and structuring data, handling missing data, and visualising data. The course also involves applying econometric methods that students have acquired at the undergraduate level. Through the course, students learn to apply software to efficiently manage data for advanced economic analysis. Topics covered in the course include critical thinking, the use of models and concepts, information gathering, and the writing process.

Reading List

See separate document.

Examination

All learning outcomes are assessed through individual written assignments that are presented and discussed in seminars.

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 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's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.