



Faculty of Arts and Social Sciences  
Psychology

## Syllabus

### Scientific methods in Psychology - advanced level

<b>Course Code:</b>	PSAM10
<b>Course Title:</b>	Scientific methods in Psychology - advanced level <i>Vetenskapliga metoder inom psykologi - avancerad nivå</i>
<b>Credits:</b>	15
<b>Degree Level:</b>	Master's level
<b>Progressive Specialisation:</b>	Second cycle, has only first-cycle course/s as entry requirements (A1N)

**Major Field of Study:**  
PSA (Psychology)

#### Course Approval

The syllabus was approved by the Faculty of Arts and Social Sciences 2026-02-11, and is valid from the Autumn semester 2026 at Karlstad University.

#### Prerequisites

A bachelor-level degree, including 90 credits with progressive specialisation in Psychology and an independent project of at least 15 credits at G2E level. In addition, upper secondary level Swedish 3, English 6 or Swedish level 3, English level 2. An equivalence assessment can be made.

#### Learning Outcomes

Upon completion of the course, students should be able to

1. give an account of, apply, and critically evaluate qualitative research methods in psychology,
2. give an account of, apply, and critically evaluate quantitative research methods in psychology,
3. apply and justify different research designs and analytical methods in psychology,
4. give an account of and demonstrate knowledge of gender equality and sustainability perspectives in research,
5. independently search for, evaluate, and use scientific literature, and
6. apply an ethical research approach in psychological research.

#### Content

The course covers different types of research designs based on experimental, quasi-experimental, and non-experimental approaches. Qualitative and quantitative analytical methods are introduced and applied. Searching for, evaluating, and using scientific literature, as well as presenting research ethical considerations, including gender equality and sustainability perspectives, form part of the course to prepare students for the master thesis.

#### Reading List

See separate document.

#### Examination

Learning outcomes 1, 2 and 3 are assessed based on written, oral and group assignments presented and discussed in seminars. Submissions for assessment must clearly indicate individual contributions.

Learning outcomes 3, 4, 5 and 6 are assessed based on an individual written assignment.

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