



Course syllabus

Faculty of Social Sciences

Department of Sport Science

2IV221 Vetenskapsteori och metod II, 7,5 högskolepoäng

2IV221 Philosophy of science and methods II, 7.5 credits

Main field of study

Sport Science

Subject Group

Sport Science

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by Faculty of Social Sciences 2023-05-03

The course syllabus is valid from spring semester 2024

Prerequisites

1IV214 Philosophy of Science and methods I, 7.5 credits, or the equivalent.

Objectives

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

- design studies based on research issues/hypotheses,
- justify their choice of statistical method depending on the nature of the data and critically interpret the results of statistical analyses,
- conduct a qualitative and quantitative analysis of empirical material.

Content

The course discusses the basic features of the philosophy of science and qualitative as well as quantitative research methods. The relation between knowledge interest, issue/purpose and method is studied. In the course, students are provided the tools required to enhance their analytical skills.

The course contains the following elements:

- The relation between knowledge interest, issue/purpose and choice of method
- Qualitative and quantitative research methods

- Statistics
- Qualitative data analysis

Type of Instruction

Teaching consists of lectures, practical sessions and supervision.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Examination takes place by means of two individual laboratory reports and one individual written take-home exam.

In order to receive a grade of Pass in the course, all examination assignments require at least the grade of Pass.

For a grade of Pass with Distinction in the course, it is required that the final take-home exam is assessed as Pass with Distinction and the two laboratory reports require the grade of Pass.

A retake of the examination is provided in accordance with the Local Regulations for First-Cycle and Second-Cycle Courses and Examination at Linnaeus University.

Should the university determine that a student is entitled to special educational support due to impairment, the examiner may provide the student with an adapted test or the student may carry out the examination in an alternative way.

Course Evaluation

A course evaluation is carried out either during or at the end of the course. Results and analysis of the evaluation are presented to the students who have completed the course as well as to new students at the following course date. The course evaluation is conducted anonymously.

Other

The course is included in the Sports Science Programme.

Required Reading and Additional Study Material

Ejlertsson, Göran (latest edition). *Statistik för hälsovetenskaperna*. Lund: Studentlitteratur, (303 p.)

Patton, Michael Quinn (latest edition). *Qualitative Research & Evaluation Methods. Integrating Theory and Practice*. Thousand Oaks, Kalifornien, USA: SAGE Publications Inc, 832 p. (Selected parts, ca. 300 p.)

Compendiums, ca. 20 pages.

Scientific publications, ca. 80 pages (provided by the course coordinator).