



Course syllabus

Faculty Board of Health, Social Work and Behavioural Sciences
School of Education, Psychology and Sports Science

4IM001 Vetenskaplig teori och metod, 7,5 högskolepoäng
Theory and methodology in sport science, 7.5 credits

Main field of study

Sport Science

Subject Group

Medicine

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved by the Board of the School of Education, Psychology and Sports Science
2009-12-10

The course syllabus is valid from autumn semester 2010

Prerequisites

NO VALUE DEFINED

Expected learning outcomes

On completion of the course, students should be able to:
Analyse, describe and evaluate scientific-theoretical concepts

- Explain and evaluate different research methods and research traditions as well as argue for when they are suitable to use
- Explain and apply the empirical research process's fundamental element as a study object, perspective, design, data, forms of data collection, analysis techniques as well as the writing process in both qualitative and quantitative research.
- Apply and specialise statistical knowledge in order to carry out parametric and non-parametric analyses
- Apply and specialise in qualitative analysis methods in a limited material
- Discuss research ethical principles and apply ethical considerations

Content

- Literature and Information retrieval as well as analysis
- Basic scientific-theoretical concepts
- Quantitative and qualitative design
- Study analyse and behaviour questions

- Write a project plan
- Ethical-research examination

Type of Instruction

Teaching is in the form of seminars and individual work. Students take full responsibility for learning through analysing and dealing with situations that are connected to the content of the course. Students retrieve and evaluate new knowledge and re-examine earlier knowledge during the entire education.

Examination

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

Course Evaluation

Course evaluations are carried out on a continuous basis verbally and/or in writing throughout the course. When the course has finished, an evaluation is compiled. The results are reported to the students and then archived according to the rules of the school.

Required Reading and Additional Study Material

Backman, J. (2008). *Rapporter och uppsatser*. Lund: Studentlitteratur.

Creswell, J. W. (2003). *Research design: qualitative, quantitative and mixed methods approaches (2 ed)*. London: Sage Publications ltd, (246 p).

Gustafsson, B., Hemerén, G. & Petersson, B. (2005). *Vad är god forskningssed?* Vetenskapsrådets rapportserie, rapport 2005, 1, Stockholm.

Thomas, J., Nelson, J. & Silverman, S. (2005). *Research Methods in Physical Activity 5 th ed*. Human Kinetics Champaign IL, (472 p).

Körner, S. & Wahlgren, L. (2002). *Praktisk statistik*. Lund: Studentlitteratur.

Vetenskapsrådet. (Etik, prövning, oredighet i forskningen, regler och riktlinjer m m). www.vr.se/huvudmeny/forskningsetik