



## Course syllabus

Faculty of Health and Life Sciences  
Department of Psychology

4PS111 Univariat och multivariat statistik, 7,5 högskolepoäng  
Univariate and multivariate statistics, 7.5 credits

### **Main field of study**

Psychology

### **Subject Group**

Psychology

### **Level of classification**

Second Level

### **Progression**

A1F

### **Date of Ratification**

Approved 2014-09-23

Revised 2018-06-12 by Faculty of Health and Life Sciences.

The course syllabus is valid from autumn semester 2018

### **Prerequisites**

45 credits in work and organizational psychology on advanced level, or the equivalent.

## Objectives

Upon completion of the course, the student shall be able to:

- thoroughly understand and describe the principles of the General Linear Model (GLM)
- carry out statistical analyses using bivariate t-tests and correlations, multiple regression analyses, logistic regression, different types of between-groups and repeated measures ANOVA, and factor analysis, in the SPSS

## Content

- the course treats the methods for statistical analysis based on GLM, described in Objectives.

## Type of Instruction

Instruction is given in lectures, seminars and statistical labs.

## Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in

a pass. The grade F means that the student's performance is assessed as fail. Grade criteria for the A–F scale are communicated to the student through a Study guide.

Examination is done through one written paper together with a final seminar (7.5 credits). Students who receive the grade F (Fail) in the first exam will be offered a new exam shortly thereafter.

### Course Evaluation

A course evaluation will be carried out during the course or soon after. The result and the analysis of the course evaluation will be communicated to the students who have completed the course and presented to those who take the course the next time it is given. The course evaluation is anonymous.

### Other

The course is part of the master programme Work and Organizational psychology. Expenses that may occur during the course are paid by the student.

### Required Reading and Additional Study Material

Field, A. (2009). *Discovering statistics using SPSS*. London: SAGE. 600 pages. ISBN: 9781847879073

Robbins, S.P., Judge, T.A., & Vohra, N. (2012). *Organizational behavior (15 ed.)*. New York: Pearson. ISBN: 9789332500334. Selected parts.

Articles according to teacher's instructions.