Linnæus University

Course syllabus

Faculty of Health and Life Sciences
Department of Psychology

4PS011 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 2013-12-16
Revised 2014-03-13 by Faculty of Health and Life Sciences.
The course syllabus is valid from autumn semester 2014

Prerequisites
45 credits from SAPS2 or the equivalent.

Objectives
Upon completion of the course, the student shall:

- thoruoghly understand and describe the principles of the General Linear Model (GLM)

- carry out statistical analyses using bivariate t-tests and correlations, multiple regression sanalyses, logistic regression, different types of between-gropus 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 Fail (U), Pass (G) or Pass with Distinction (VG).
The course is assessed through active participation in statistical labs and with written

examinations.

Course Evaluation

Upon completion of the course, a written course evaluation is carried out. The evaluation is compiled and fed back to the students, and archived according to departmental regulations.

Other

The course is part of SAPS2 program. 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: 97871847879073

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.