



COURSE SYLLABUS

Scientific Methodology, Statistics, 6 credits

Vetenskaplig metodik, statistik, 6 högskolepoäng

Course Code:	HVSA18	Education Cycle:	First-cycle level
Confirmed by:	Utbildningsrådet Feb 18, 2008	Disciplinary domain:	Health sciences
Revised by:	Dec 22, 2011	Subject group:	OM1
Valid From:	Mar 5, 2012	Specialised in:	G1N
Version:	2		

Intended Learning Outcomes (ILO)

Upon completion of the course students should have the;

Knowledge and understanding in order to

- explain descriptive and analytical statistical methods.

Skills and abilities in order to

- identify and apply appropriate descriptive statistics to relevant research data
- select and apply appropriate analytical statistical techniques to relevant research data.

Judgement and approach in order to

- demonstrate an appreciation for the use of statistical techniques in analyzing research data.

Contents

Descriptive statistics including graphical representation of data, averaging, standard deviations, correlation and linear regression.

Analytical statistics including confidence intervals, z-tests, t-tests and chi squared test.

Type of instruction

This course is presented in the form of lectures and group work.

The teaching is conducted in English.

Prerequisites

The requirement for entry into this course is successful completion of high school mathematics C.

Examination and grades

The course is graded A, B, C, D, E, FX or F.

The examination will be based on an individual written exam and submission of calculation exercises.

A university lecturer will serve as examiner for this subject.

Registration of examination:

Name of the Test	Value	Grading
Examination	6 credits	A/B/C/D/E/FX/F

Other information

Attendance requirements

Attendance required at group work sessions and presentations.

Course literature

Field, A. (2009). *Discovering statistics using SPSS (and sex and drugs and rock 'n' roll)*. London: Sage.

Registration no: HHJ 164/2008 ad 1

Department of Rehabilitation