Mittuniversitetet
MID SWEDEN UNIVERSITY

Course Syllabus:

Psychology, MA, Research Method I, Statistics and Research Design, 7.5 Credits

General data

Code	PS056A
Subject/Main field	Psychology
Cycle	Second cycle
Credits	7.50
Progressive specialisation	Second cycle, has only first-cycle course/s as entry requirements
Answerable department	Psychology
Established	2016-03-09
Date of change	
Version valid from	2016-08-29

Aim

This course aims to provide a solid basis in research methods in psychology and quantitative statistical analysis.

Course objectives

After completing the course, students will:

Knowledge and understanding
- be able to identify and describe the basic research methods used in psychological research.
- be able to describe the principles behind the use of ANOVA, multiple regression and factor analysis.

Skills and abilities
- be able to choose adequate research method based on the research problem.
- be able to decide when the use of ANOVA, multiple regression and factor analysis is appropriate, and be able to interpret and evaluate the obtained results.
- be able to use statistical programs (e.g., SPSS) to run and interpret ANOVA, multiple regression and factor analysis.

Judgement and approach
- be able to critically evaluate methodological aspects in different types of studies in research on emotions, and detect possible threats to validity.

Content

A general view of the different types of research methods used in psychology will be presented and discussed, with specific emphasis on the identification of the more frequent threats to the validity of different studies. The student will develop the capacity of critically evaluate different types of research studies within the field of emotions. The course will also provide skills in analysis of variance, multiple regression and factor analysis, focusing on the practical utilization and interpretation.

Entry requirements

Bachelor (180 hp) in psychology, with a degree thesis/independent work of 15 credits, or equivalent. In cases where the applicant lacks bachelor's degree in psychology, an individual assessment will be conducted. English B/English 6 from Swedish gymnasium or the equivalent.

Selection rules and procedures

The selectionprocess is in accordance with the Higher Education Ordinance and the local order of admission.

Teaching form

The course is a distant learning course with a limited number of compulsory meeting on campus in Östersund, Sweden. Participation - via distance communication means - is compulsory throughout the course. Students are required to actively participate via the course room at the university's learning platform. The platform is the primary communication tool used for students and teachers, and students will find all information needed to complete the course in the course room.

Examination form

The course will be examined through active participation in seminars and discussions, on site and online, as well as through written evaluation.

Grading system

The grades A, B, C, D, E, Fx and F are given on the course. On this scale the grades A through E represent pass levels, whereas Fx and F represent fail levels.

Course reading
Required literature

Author:	Coolican, H.
Title:	Research methods and statistics in psychology.
Edition:	Senaste upplagan (latest edition)
Publisher:	Psychology Press.

Author:	Shadish, W.R., Cook, T.D., & Campbell, D.T.
Title:	Experimental and Quasi-experimental designs for generalized causal inference.
Edition:	Senaste upplagan (latest edition)
Publisher:	Wadsworth Cengage Learning.

Forskningsartiklar enligt lärarens anvisning. Research articles, as instructed by the teacher.