Research Methods in Psychology
E-315-RATO

Year | 2
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Semester | Fall
Type of course | Core
Prerequisites | E-114-RATO
Schedule | 3 hours per week for 15 weeks; 6 ECTS
Lecturer | Haukur Freyr Gylfason

Content
This course examines measurement and measurement theory; reliability and validity; data sampling; and hypothesis testing using ANOVA and regression techniques, as well as non-parametric tests (e.g., Chi square, Mann-Whitney). The course also examines the use of SPSS in data management and analysis; ethical issues in research; preparation of research reports in accordance with APA style conventions; and qualitative research methods.

Learning outcome - On completing the course, each student should be able to:
- Show an understanding of the theories and methods of psychological measurement.
- Read, interpret, and assess hypotheses and information.
- Understand the worth of different types of statistical tests.
- Plan research and support existing knowledge.
- Assess the validity and reliability of measurement instruments.
- Use t-tests and analysis of variance and related non-parametric statistical tests.
- Communicate theoretical issues and findings in an understandable way in standard format (APA).
- Use critical thinking in the handling of data and work independently or with others on research projects.
- Show initiative in choice of projects and independence in work methods.

Course assessment
In class exams, report and final exam. Grades are given on a 0 – 10 point scale. The minimum grade to pass the course is 5.0. The student needs to get a minimum grade of 5.0 in the final exam and a minimum average grade of 5.0 for all course assessment.

Reading material
(selected chapters)

Teaching and learning activities
Lectures, in class exercises and discussions.

Language of | Icelandic