



The Hebrew University of Jerusalem

Syllabus

Research Methods part 2: Research Design and Data Analysis - 56115

Last update 21-08-2016

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: political science

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Dan Miodownik

Coordinator Email: dan.miodownik@huji.ac.il

Coordinator Office Hours: Thursday 9:00-10:00, Social Science room 4320

Teaching Staff:

Prof Dan Miodownik

Course/Module description:

This course continues the research methods 1 course. While the first part of the course focused on the the production of knowledge in the social sciences, the emphasis in the second part of the course is the application of the materials. Specifically, the main emphasis in on data collection and processing, along with knowledge of computer programs and principles and tests of Basic Statistics.

Course/Module aims:

- learn methods for collecting and processing data
- use software for data processing and data processing (SPSS)
- practice basic Statistics

Learning outcomes - On successful completion of this module, students should be able to:

- * Read and understand academic papers that use statistical analyzes intermediate level.
- * Open and work with a statistical database.
- * Run simple statistical functions using SPSS and interpret the outcomes
- * Test hypotheses using simple statistical analysis

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Weekly meetings in the computer lab during which we will go through statistical matters and get familiarized with SPSS. In addition 8 practicums during the emester.

Course/Module Content:

- *Measures of central tendency
- *Measures of Dispersion
- *Regression
- *Normal Distribution
- *Statistical Inference
- *Hypotheses testing
- *SPSS

Required Reading:

Moshe Pollak (2012) *Thinking Differently: The Friendly Introduction to Statistics*

Additional Reading Material:

See moodle

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 30 %

Project work 70 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information: