



The Hebrew University of Jerusalem

Syllabus

Empirical research - 61918

Last update 04-10-2020

HU Credits: 6

Degree/Cycle: 2nd degree (Master)

Responsible Department: Criminology

Academic year: 0

Semester: Yearly

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Professor Barak

Coordinator Email: barak.ariel@mail.huji.ac.il

Coordinator Office Hours: by appointment

Teaching Staff:

Prof Barak Ariel,
Mr. Itzik Rosenblum,
Mr. Shay Shiran,
Mr. Matan Sokolover,
Ms. Danielle Yaffe

Course/Module description:

This course is designed to impart basic knowledge of quantitative criminology, evidence based policy and milestones in applied criminology. The course incorporates on statistics, research methods and computer applications.

Course/Module aims:

The aim of the course is to improve students' ability to read and critically assess scientific literature and to become familiarized with evidence-based policy

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

Evaluate, compare, and review the scientific-empirical articles criminology; tools for implementing evidence-based policy; familiarity with the most recent milestones in applied criminology

Attendance requirements(%):

100%

*Teaching arrangement and method of instruction: Face-to-face and group activities
- virtual*

Course/Module Content:

*Empirical Research: Introduction
Principles of the scientific approach
The structure of scientific research
Developing the research question
Stages of scientific research
Causality in science
Research Methods in Science
Quantitative' and 'qualitative' research designs
Validity and reliability of the study
Hypotheses and statistical inference
Ethics in research
Sampling methods*

Probabilistic sampling
Statistical power
Non-probabilistic sampling
Measurement and data collection tools
Surveys
interviews
Observations
Analysis of existing data
Existing data sources
Crime and victim indices
Analysis of statistics
Data analysis with SPSS, Excel, online
Descriptive analysis
Indices for central tendency
Dispersion indices
Graphic presentation of findings
Inferential Statistics
Tests for finding relationships between variables
Tests to find differences between groups
Predictive tests
Effect size analysis
Field research
Establishment of a "Coalition for Empirical Research"
Evidence-based policy
targeting
testing
targeting
Prediction and forecasting in the law enforcement system
social network analysis
Publication of empirical research
The research protocol
Writing quantitative research
Writing qualitative research

Required Reading:

Bryman (2016). *Social Research Methods*. Oxford University Press, עמ' 613-625
Bryman (2016). *Social Research Methods*. Oxford University Press, עמ' 683-707
Sherman, LW, (2013). The rise of evidence-based policing: Targeting, testing, and tracking. *Crime and justice*, 42(1), 377-451
Strang, H. (2012). Coalitions for a common purpose: managing relationships in experiments. *Journal of Experimental Criminology*, 8(3), 211-225.
אנטונובסקי, א' (1999). "שקר החן והבל ה-ס: מה מובהק במבחני מובהקות סטטיסטית?" מגמות לח 59
האוניברסיטה העברית (2015). אתיקה במחקר. ועדת אתיקה של אוונסקו

<http://ethics.huji.ac.il/?q&eq;node/8>

סליץ, ק., ג'הודה, מ., דאוטש, מ., וקוק, ס. (1959). שיטות המחקר החברתי, עמ' 113-126
סליץ, ק., ג'הודה, מ., דאוטש, מ., וקוק, ס. (1959). שיטות המחקר החברתי, עמ' 127-134
סליץ, ק., ג'הודה, מ., דאוטש, מ., וקוק, ס. (1959). שיטות המחקר החברתי, עמ' 135-151 וכן עמ'
159-169
סליץ, ק., ג'הודה, מ., דאוטש, מ., וקוק, ס. (1959). שיטות המחקר החברתי, עמ' 170-181
סליץ, ק., ג'הודה, מ., דאוטש, מ., וקוק, ס. (1959). שיטות המחקר החברתי, עמ' 182-189
סליץ, ק., ג'הודה, מ., דאוטש, מ., וקוק, ס. (1959). שיטות המחקר החברתי, עמ' 97-112
פרנקנשטיין, ק' (1953). משמעות המושג "סיבה" בחקר עבריינות הנוער. מגמות, 4, 299-321

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 30 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 15 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 55 %
Oral examinations

Additional information: