



# *The Hebrew University of Jerusalem*

## *Syllabus*

### *Quantitative research approaches - 3804*

*Last update 19-04-2024*

*HU Credits: 2*

*Degree/Cycle: 2nd degree (Master)*

*Responsible Department: Social Work*

*Academic year: 0*

*Semester: 2nd Semester*

*Teaching Languages: Hebrew*

*Campus: Mt. Scopus*

*Course/Module Coordinator: Dr. Michal Levinsky*

*Coordinator Email: [michal.levinsky@mail.huji.ac.il](mailto:michal.levinsky@mail.huji.ac.il)*

*Coordinator Office Hours: Will be published on the course website*

*Teaching Staff:*

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Dr. michal levinsky,  
Dr. Snapiri Tchia,  
Dr. edna Shimoni,  
Dr. hanan abojabel,  
Dr. Pavel Freidlin

Course/Module description:

The course will provide students with knowledge of key issues in conducting quantitative research in the field of social work. The course will focus on the methodological aspects of quantitative research, including the theoretical and applied aspects of quantitative data analysis in the field of social work. The purpose of the course is to provide knowledge for planning and conducting research in the field of social work, as well as to promote a critical reading of empirical literature. The course will present theoretical concepts in quantitative research methods (for example, descriptive statistics, one-tailed hypothesis, statistical significance, and effect size) and the rationale for using statistical tests. Also, we will learn to interpret the results of quantitative studies using outputs of statistical analyzes as well as using empirical literature.

Course/Module aims:

1. To provide students with applied knowledge in planning data analysis
2. To provide students with knowledge in interpreting the results of statistical data analysis
3. To provide students with knowledge in drawing conclusions based on the results of statistical data analysis
4. To provide students with knowledge to examine the reliability and validity of measures in quantitative research
5. To facilitate critical evaluation of empirical literature

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

1. Plan the data analysis strategy
2. Interpret the results of data analysis
3. Draw theoretical and clinical conclusions based on the results of the data analysis
4. Interpret and draw conclusions based on the scientific and professional literature

Attendance requirements(%):

100%

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*Teaching arrangement and method of instruction: Lectures*

*Course/Module Content:*

*Descriptive statistics – brief introduction of key concepts*

*Testing research hypotheses*

*T- tests*

*One-way analysis of variance*

*Two-way analysis of variance*

*Correlation (Pearson and Spearman)*

*Chi square statistics*

*Examining the validity and reliability of research measures*

*Required Reading:*

*Will be listed in the syllabus*

*Additional Reading Material:*

*Will be listed in the syllabus*

*Grading Scheme:*

*Written / Oral / Practical Exam 90 %*

*Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 10 %*

*Additional information:*

*Information on this website and all its components is tentative and can be changed by the lecturer. Updated information about the course will appear on the course website*