

## *The Hebrew University of Jerusalem*

### *Syllabus*

## **METHODS IN PSYCHOLOGICAL RESEARCH (B.A.) - 51307**

*Last update 17-07-2016*

*HU Credits:* 3

*Degree/Cycle:* 1st degree (Bachelor)

*Responsible Department:* psychology

*Academic year:* 0

*Semester:* 1st Semester

*Teaching Languages:* Hebrew

*Campus:* Mt. Scopus

*Course/Module Coordinator:* Ram Frost

*Coordinator Email:* [frost@mscc.huji.ac.il](mailto:frost@mscc.huji.ac.il)

*Coordinator Office Hours:* Upon advanced coordination

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Teaching Staff:

Prof Ram Frost  
Ms. Moran Israel  
Ms. Moran Sela  
Mr. Yochanan Bigman  
Ms. Yasmin Abofoul

Course/Module description:

The course will focus on different statistical methods, with reference to prevailing research paradigms in Psychology.

Course/Module aims:

To master basic methods for data analyses in Psychological research.

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

Carry out commonly used statistical analyses.  
Understanding the method of analysis of variance.  
Embrace quantitative approaches to assess experimental data.

Attendance requirements(%):

none

Teaching arrangement and method of instruction: Lectures and exercises

Course/Module Content:

T-tests; paired sample t-test.  
F distribution, one-way analysis of variance.  
Planned contrasts.  
Post-hoc contrasts.  
Two way analysis of variance.  
Effect size for analysis of variance.  
Non - parametric tests.  
Regression and correlation.  
Repeated measures design.

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Required Reading:

none

Additional Reading Material:

Hays, W. L. (1981). *Statistics*. NY: Holt, Rinehart and Winston.

Course/Module evaluation:

End of year written/oral examination 80 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 20 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

Posts will be uploaded on the course website. Stay tuned.