האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

Syllabus

Mathematical programming with Matlab for Psych. students. - 51730

Last update 21-09-2016

HU Credits: *2*

Responsible Department: psychology

Academic year: 0

Semester: *2nd Semester*

Teaching Languages: Hebrew

Campus: *Mt. Scopus*

Course/Module Coordinator: *Dr. Arie Schlesinger*

Coordinator Email: aries@cs.huji.ac.il

Coordinator Office Hours: *by appointment*

Teaching Staff:
Dr. Arie Schlesinger

Course/Module description:

Learning Matlab data and control structures, functions, and other tools and their practical use, in order to provide the ability to solve computable mathematical problems.

Course/Module aims:
The course goal is to present the main features of the Matlab software
in order to enable a working knowledge of practical mathematical processing

Learning outcomes - On successful completion of this module, students should be able to:
Ability to use different tools of Matlab, in order to practically solve computable mathematical problems

Attendance requirements(%):
0

Teaching arrangement and method of instruction: frontal lectures + work in computers labs

Course/Module Content:
Matlab environment
Control Flow
M- Files , Scripts,
variables, Matlab Functions
Structured Data Types
File Input Output
Defining functions
Graphics, Plotting in Matlab
Linear Algebra with Matlab
Numerical Methods

Required Reading:
NA

Additional Reading Material:
NA

Course/Module evaluation:
End of year written/oral examination 100 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information:
It is required to hand in 2/3 of the programming exercises.