

The Hebrew University of Jerusalem

Syllabus

Mathematical programming with Matlab for Psych. students. - 51730

Last update 21-09-2016

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

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

Grading Scheme:

Additional information:

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