

The Hebrew University of Jerusalem

Syllabus

Laboratory in Medical Image and its Applications - 67660

Last update 07-10-2021

HU Credits: 5

Degree/Cycle: 2nd degree (Master)

Responsible Department: Computer Sciences

Academic year: 0

Semester: 1st and/or 2nd Semester

Teaching Languages: English and Hebrew

Campus: E. Safra

Course/Module Coordinator: Leo Joskowicz

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

Coordinator Office Hours: By appointment only

Teaching Staff:

Prof Leo Joskowicz

Course/Module description:

This is a directed one-to-one laboratory course in which the student will learn in depth a specific topic in the area of Medical Image Processing or Computer Aided Surgery and develop a solution for a problem.

Course/Module aims:

To conduct a guided project to gain in-depth knowledge and/or develop a new method related to a specific topic in the area of Medical Image Processing or Computer Aided Surgery. At the end of the course, the student will write a project report, a conference or journal paper, and/or a software prototype.

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

The student will be able to analyze and develop new algorithms and implement them in the specific area of interest in Medical Image Processing or Computer Aided Surgery. The student will be able to critically analyze existing solutions and propose new ones.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: One to one meetings between the instructor and the student.

Course/Module Content:

To be determined according to the project.

Required Reading:

To be determined according to the project.

Additional Reading Material:

To be determined according to the project.

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 100 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

None