

# *The Hebrew University of Jerusalem*

## *Syllabus*

### **BIO-DESIGN - 76105**

*Last update 13-08-2018*

HU Credits: 8

Degree/Cycle: 2nd degree (Master)

Responsible Department: Bio-Engineering

Academic year: 0

Semester: Yearly

Teaching Languages: English

Campus: E. Safra

Course/Module Coordinator: Prof. Yaakov Nahmias

Coordinator Email: [ynahmias@cs.huji.ac.il](mailto:ynahmias@cs.huji.ac.il)

Coordinator Office Hours: By appointment

Teaching Staff:

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Prof Yaakov Nahmias  
Dr. Amnon Buxboim  
Prof Dan Galai  
Dr. Michal Shur-Ofry  
Dr.  
Prof Mintz Yoav

Course/Module description:

*Biodesign innovation is a “real world” course in creating successful medical devices. Teams of students from medical, engineering, business, and law disciplines will conceive and design an innovative medical device taking it through all steps of development.*

Course/Module aims:

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

*The course provides a unique opportunity to gain real world experience while still in an academic environment.*

Attendance requirements(%):

100%

*Teaching arrangement and method of instruction:*

Course/Module Content:

*The autumn semester (A) is focused on identifying clinical needs, brainstorming and concept creation, while the spring semester (B) is focused on concept development, and business implementation.*

Required Reading:

*To be provided*

Additional Reading Material:

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Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 20 %

Project work 40 %

Assignments 40 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information: