



## *The Hebrew University of Jerusalem*

### *Syllabus*

## *Introduction for Basic & Clinical Research - 97757*

*Last update 27-06-2023*

*HU Credits: 3*

*Degree/Cycle: 2nd degree (Master)*

*Responsible Department: Dental Medicine*

*Academic year: 0*

*Semester: Yearly*

*Teaching Languages: Hebrew*

*Campus: Ein Karem*

*Course/Module Coordinator: Dr. Galit Almoznino*

*Coordinator Email: [galit.almoznino-k@mail.huji.ac.il](mailto:galit.almoznino-k@mail.huji.ac.il)*

*Coordinator Office Hours: Thursday 12:00-14:00 upon pre-meeting e-mail schedule.*

*Teaching Staff:*

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Course/Module description:

*This course is an introduction to the DMD thesis.  
In this course, the students will learn about: human research, basic research and research in animals, various ethical dilemmas, study design, goals setting, types of variables, analysis of results and the meaning of the conclusions .Students will also learn about meta-analysis and qualitative research.*

Course/Module aims:

*To develop an understanding of the research process from beginning to end, including its implications.*

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

- On successful completion of this module, students should be able to:*
- Review literature and write an introduction using scientific writing*
  - Define research objectives*
  - Describe the methods for research*
  - Describe and define how the results of the study will be analyzed*
  - Write a research proposal for the DMD thesis*

*This course supports the following HUHSDM Professional Practice Competencies: 3.4 ,3.5*

Attendance requirements(%):

*100%*

*Teaching arrangement and method of instruction: Lectures and recitations*

Course/Module Content:

*Research Methods, ethics, Variables, Research population, Conclusions, Qualitative research, Meta-analysis, Clinical Research, Scientific writing*

- Epidemiological relationships*
- Decoding research information and drawing conclusions*

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- *Descriptive statistics*
  - *Probability*
  - *Statistical Inference*
  - *Basic points of basic research*
  - *Applied research*
  - *Ethics committee goals and activities*
  - *Ethics in research - good clinical practice (GCP)*
  - *Clinical trial approval process in implementation of basic research (laboratory) clinic*
  - *Animal experiments*
  - *Examples of basic research and clinical applications*
  - *Research and use information sources*

*Required Reading:*  
*Lectures handouts*

*Additional Reading Material:*  
*will be given during the course*

*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:*

*End of 1st semester the student should file a form with the subject of his/her research signed by the tutor.*

*End of 2nd semester the student should present his research proposal to Bella in the Dean's office*