



The Hebrew University of Jerusalem

Syllabus

Introduction for Basic & Clinical Research - 97757

Last update 31-01-2024

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: Prof. Galit Almoznino

Coordinator Email: galit.almoznino-k@mail.huji.ac.il

Coordinator Office Hours: Upon pre-meeting e-mail schedule.

Teaching Staff:

*Dr. Miriam Haisraeli-Shalish,
Prof Galit Almoznino,
Prof michael klutstein,
Dr. Naama Keshet*

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 research meetings where thesis proposals are presented by students/

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*
- *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

Grading Scheme:

Essay / Project / Final Assignment / Home Exam / Referat 90 %

Attendance / Participation in Field Excursion 10 %

Additional information:

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

During the second semester, a course presentation describing the thesis proposal will be presented as part of research meetings.

At the end of the second semester, the course presentation, the GCP certificate, the thesis proposal and the instructor's approval must be submitted in the MOODLE platform - and based on these, a pass/fail grade for the course will be received.

the student should present his research proposal to Bella in the Dean's office