

# *The Hebrew University of Jerusalem*

## *Syllabus*

### *Environmental & Occupational Health - 95146*

*Last update 09-04-2024*

*HU Credits: 2*

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

*Responsible Department: Public Health - International Prog.*

*Academic year: 0*

*Semester: 2nd Semester*

*Teaching Languages: English*

*Campus: Ein Karem*

*Course/Module Coordinator: Prof. Hagai Levine*

*Coordinator Email: [hagai.levine@gmail.com](mailto:hagai.levine@gmail.com)*

*Coordinator Office Hours: please coordinate by email*

*Teaching Staff:*

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Prof Hagai Levine

Course/Module description:

The course is tailored for the IMPH students, for better understanding environmental health. During the course we will discuss main issues in environmental epidemiology and relevant policy considerations.

Course/Module aims:

The course aims to provide the student state-of-the-art tools in Environmental Health research and practice.

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

1. Discuss the main issues in environmental and occupational health.
2. Explain and discuss common methodological issues of study design, exposure assessment, bias and confounding in environmental epidemiology.
3. Analyse a study of environmental epidemiology and interpret its results.
4. Define and recommend specific policy steps to promote environmental health.
5. Communicate EH to the public and decision-makers.

Attendance requirements(%):

80

Teaching arrangement and method of instruction: Frontal lectures + discussions + students presentations + communication exercise.

Course/Module Content:

1. Introduction to environmental health
2. Research methods in environmental health
3. Air quality
4. From science to policy
5. Endocrine disruptors
6. Pesticides
7. Occupational health
8. Other topics (such as radiation, noise, water/soil, built environment and others)
9. Environmental epidemiology
10. Global environmental health
11. Environmental health communication
12. Climate Change
13. Summary and feedback

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Required Reading:

*Required articles will be published during the course.*

Additional Reading Material:

*Course books (optional): Environmental Epidemiology / edited by Dean Baker and Mark J Nieuwenhuijsen. (Selected chapters). Oxford University Press, 2008.  
Occupational and Environmental Health / Edited by Levy et al, 2011*

Grading Scheme:

*Written / Oral / Practical Exam 60 %*

*Active Participation / Team Assignment 5 %*

*Presentation / Poster Presentation / Lecture 35 %*

Additional information: