האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

Water and the Environment - 89301

Last update 02-02-2022

HU Credits: *4*

Degree/Cycle: *1st degree (Bachelor)*

Responsible Department: *Environmental Sciences*

Academic year: *0*

Semester: *2nd Semester*

Teaching Languages: *Hebrew*

Campus: *E. Safra*

Course/Module Coordinator: *Prof Simon Emmanuel*

Coordinator Email: *swemmanuel@gmail.com*

Coordinator Office Hours: *By appointment*

Teaching Staff:

Prof Simon Emmanuel,
Prof Nadav Lansky

Course/Module description:

1. The hydrological cycle and the water-food-energy nexus
2. Water chemistry and contamination
3. Water challenges in different environments around the world
4. Water in the urban environment
5. Water and climate change
6. Water and environmental law
7. Lake Kinneret as a case study for environmental challenges related to water.
8. Field trip to Lake Kinneret

Course/Module aims:

To familiarize students with the complexities of water use in evolving environments around the world.

To provide students with the knowledge required to advise the public and policy makers regarding the use of water.

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

Students will be able to explain the main processes connected to management of water resources.

Students will be able to explain to the general public and policy makers how water consumption impacts the environment and public health.

Students will be able to carry out independent research on a water-related topic and present their findings in front of an audience.

Attendance requirements(%):

100%. 4 days in the field, and most introduction lectures and seminar lectures

Teaching arrangement and method of instruction: Lectures, field camp and seminars.

Course/Module Content:

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2. Water chemistry and contamination
3. Water challenges in different environments around the world
4. Water in the urban environment
5. Water and climate change
6. Water and environmental law
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8. Field trip to Lake Kinneret

Required Reading:

Selected articles

Additional Reading Material:

None

Course/Module evaluation:

End of year written/oral examination 0 %
Presentation 20 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 40 %
Reports 0 %
Research project 40 %
Quizzes 0 %
Other 0 %

Additional information:

Students will be required to present an oral presentation in class based on their individual research projects.

During the course there will be a total of 4 field days: 23/03, 9/5-10/5, 7/6