



# *The Hebrew University of Jerusalem*

## *Syllabus*

### *INT. TO ECONOMICS OF NATURAL RESOURCES - 71148*

*Last update 12-09-2024*

*HU Credits: 3*

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

*Responsible Department: Environmental Economics & Management*

*Academic year: 0*

*Semester: 1st Semester*

*Teaching Languages: English*

*Campus: E. Safra Mt. Scopus Rehovot*

*Course/Module Coordinator: Dr. Yanay Farja*

*Coordinator Email: [yanay@telhai.ac.il](mailto:yanay@telhai.ac.il)*

*Coordinator Office Hours: Wednesday, 15:00-16:00*

*Teaching Staff:*

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Dr. Yanay Farja

Course/Module description:

The course presents the economic approach and principles of environmental and natural resource management

Course/Module aims:

Learning the economic principles and methods for optimal management of environmental and natural resources from a social point of view

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

To analyze problems of environmental and natural resource management from an economic point of view, using common analytical tools in this discipline.

Attendance requirements(%):

None

Teaching arrangement and method of instruction: Lectures

Online exercises

Student presentations

Course/Module Content:

Concepts of environmental and natural resource economics and welfare economics.

Environmental policies, environment and macro economics, environment and politics.

Externalities in production and consumption.

Free access and the tragedy of the commons.

Financing public goods and the free-riding problem.

Governmental intervention tools - taxes, quotas, tradable pollution permits.

Methods for evaluation of externalities: averting behavior, travel costs, hedonic prices, contingent valuation.

Dynamic optimal management of non-renewable natural resources.

Optimal utilization of renewable resources under a steady state.

Sustainability

Required Reading:

Presentations

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*Field, C. Barry and Field, K. Matha. 2016. "Environmental Economics: An Introduction, 7th Edition". McGraw Hill Education.*

*Additional Reading Material:*

*Additional reading materials will be uploaded to the course's website.*

*Grading Scheme:*

*Essay / Project / Final Assignment / Home Exam / Referat 50 %*

*Presentation / Poster Presentation / Lecture/ Seminar / Pro-seminar / Research proposal 20 %*

*Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 30 %*

*Additional information:*

*None*