



The Hebrew University of Jerusalem

Syllabus

THE URBAN FOREST- PLANNING & CONSERVATION - 71325

Last update 10-09-2024

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Plant Science in Agriculture

Academic year: 2025

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Ms. Inbar Ashkenazi

Coordinator Email: inbara@moag.gov.il

Coordinator Office Hours: by personal coordinatoring

Teaching Staff:

Ms. Inbar Ashkenazi

Course/Module description:

The course will focus on tree management in urban areas. Specifically the conflict with Construction and development

Course/Module aims:

Understanding the importance of tree management in urban areas, and tree planning in those areas

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

1. Obtaining basic tools for tree management in urban areas.
2. Conducting tree surveys for planning

Attendance requirements(%):

80%

Teaching arrangement and method of instruction: lectures and practice Outside the campus

Course/Module Content:

General background, trees in the Israel law, the Climate change and the importance of urban trees, trees survey, construction work sides to trees, the change in Planning policy in Israel Government Resolution 1022 and the implementation of natural shading to deal with the climate crisis

Required Reading:

Cohen S., Potchter O., Yaakov Y., Tanny J., Bar-Kutiel P., 2010, "The use of street trees for heat stress mitigation in hot and arid regions. Case study: Beer Sheva, Israel". Proceeding of the 7th International Conference BIOMET 2010, Freiburg, Germany.

2.. Shashua-Bar L., Pearlmutter D., Erell E., 2011, "The integrated thermal impact of trees and lawns on outdoor thermal comfort in a hot-arid environment", *International Journal of Climatology*: 31, 1498–1506.

Additional Reading Material:

- 3 *Trees in Hard Landscapes - A Guide for Delivery*, Tree Design Action Group, UK, 2014.
4. *Trees in the Townscape - A Guide for Decision Makers*, Tree Design Action Group, UK, 2010.

Grading Scheme:

- Written Exam % 75
- Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 20 %
- Attendance / Participation in Field Excursion 5 %

Additional information: