Syllabus

INTRODUCTION TO PLANT SCIENCE-PLANT ANATOMY - 71048

Last update 08-02-2017

HU Credits: 5

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: plant science in agriculture

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Dr. Zvi Peleg

Coordinator Email: Zvi.Peleg@mail.huji.ac.il

Coordinator Office Hours: Upon request

Teaching Staff:
Dr. Zvi Peleg
Course/Module description:
The course will focus on the plant sections, their role, development, composing cells and their adjustments for different growth conditions.

Course/Module aims:
To learn the anatomy and morphology of the plant.

Learning outcomes - On successful completion of this module, students should be able to:
- Identify plants by the family characteristic.
- Distinguish between the different cells that compose the plant sections.
- Distinguish and identify modifications of plant sections to different growth conditions.
- Master the use of microscope and binocular.
- Make a preparation from a plant tissue.
- Use preparation to analyze the characteristic of a plant tissue.
- Observing plant tissue and reporting the observations by schematic drawing.

Attendance requirements(%):
100-in labs

Teaching arrangement and method of instruction: Lecture & Lab

Course/Module Content:
The course will cover the anatomy and morphology of plants, focusing on different plant sections and their adaptations to various growth conditions. Students will learn to identify plants by their family characteristics, distinguish between the different cells that make up the plant sections, and recognize modifications of plant sections in response to different growth conditions. They will also master the use of microscopes and binoculars, prepare plant tissue, and analyze the characteristics of plant tissue by observing and reporting on schematic drawings.

Required Reading:
Introduction to plant science lab guide

**Additional Reading Material:**
- Biology of Plants - Raven, P.H., Evert, R.E. and Eichhorn S. H. —, 6th or 7th Ed

**Course/Module evaluation:**
- End of year written/oral examination 50 %
- Presentation 0 %
- Participation in Tutorials 0 %
- Project work 15 %
- Assignments 0 %
- Reports 25 %
- Research project 0 %
- Quizzes 10 %
- Other 0 %

**Additional information:**
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