

The Hebrew University of Jerusalem

Syllabus

GROWING OF AROMATIC & SPICE PLANTS - 71339

Last update 07-03-2019

HU Credits: 3.5

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: Prof. Nativ Dudai

Coordinator Email: nativdud@gmail.com

Coordinator Office Hours: By appointment

Teaching Staff:

Prof Nativ Dudai

Course/Module description:

Growing of aromatic plants for various purposes, and understanding of their production processes and yield components. The aroma factors in plants, the chemistry, biochemistry physiology and technology of essential oils and oleoresin production and their components, the environmental and developmental factors affecting on their yield and quality. Bioactivity of essential oils and their components. The trends of the R&D of aromatic crops, and the potential of GMO.

Course/Module aims:

Introduction of the Aromatic crops production.

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

Familiar with various subjects with regard to Aromatic crop production

Attendance requirements(%):

80%

Teaching arrangement and method of instruction: Lectures, Lab sessions, excursions.

Course/Module Content:

Growing of aromatic plants for various purposes, and understanding of their production processes and yield components. The aroma factors in plants, the chemistry, biochemistry physiology and technology of essential oils and oleoresin production and their components, the environmental and developmental factors affecting on their yield and quality. Bioactivity of essential oils and their components. The trends of the R&D of aromatic crops, and the potential of GMO.

Required Reading:

None

Additional Reading Material:

None

Course/Module evaluation:

End of year written/oral examination 100 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

none