

The Hebrew University of Jerusalem

Syllabus

FORAGE AND GRASSLAND PRODUCTION - 71323

Last update 21-01-2024

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. Yehoshua Saranga

Coordinator Email: shuki.saranga@mail.huji.ac.il

Coordinator Office Hours: by appointment

Teaching Staff:

Prof Yehoshua Saranga,
Mr. avichay smadga

Course/Module description:

Management of forage crops in semi-arid environment.

Course/Module aims:

Study the physiological basis of forage crop production in accordance with animal feed needs.

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

To understand the integrated system of forage and animal production.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Lectures, field trips and labs.

Course/Module Content:

1. Introduction & terminology
2. Forage and grassland in Israel
3. Systematics and morphology of major forage plants
4. Aspects of grassland utilization
5. Basic aspects of field crops production
6. Determinants of yield components and their implications on forage quality
7. Effect of environmental factors on forage yield and quality
8. Effect of harvest management on forage yield and quality
9. Major forage crops in Israel (wheat, maize and Alfalfa)
10. Forage preservation technology
11. Nutritional aspects of forage

Required Reading:

-

Additional Reading Material:

-

Grading Scheme:

Written / Oral / Practical Exam 90 %

Essay / Project / Final Assignment / Home Exam / Referat 10 %

Additional information:

-