

The Hebrew University of Jerusalem

Syllabus

BEEF CATTLE HUSBANDRY - 71813

Last update 10-01-2015

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Animal Sciences

Academic year: 3

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Rachel Gabrieli

Coordinator Email: ragav@shaham.moag.gov.il

Coordinator Office Hours: By appointment

Teaching Staff:

Rachel Gabrieli
Dr. Arie Brosh

Course/Module description:

Beef cattle breeding in Israel and abroad: Herd management, breeding for production, calving management, breeds of cattle, pasture herd management, precision technologies in pasture. Fattening cattle in feedlot, production and efficiency in the feedlot.

Course/Module aims:

Learning the essence of beef herds in Israel and around the world. Management and production in extensive operation in pasture and intensive operation in the feedlot.

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

Gaining knowledge of the essence and complexity of running an extensive livestock production system. Getting to know the challenges and prospects for development

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Lectures, exercises, tour

Course/Module Content:

*Cattle history in Israel and the world
Current situation of Beef industry in Israel and the world.
Beef herd management: calving, breeding and weaning seasons
Breeding and AI
reproduction management
Precision technologies in the pasture
Fattening and energy balance*

Required Reading:

Appers in presentations

Additional Reading Material:

Appers in presentations

Course/Module evaluation:

End of year written/oral examination 60 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 40 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

It is mandatory to bring calculators or computer with excel program to the lectures in the subject of fattening.

Participation in lectures compulsory.

Participation in tour compulsory

Mandatory submission of excersizes on time according to demand (weekly)