

The Hebrew University of Jerusalem

Syllabus

RUMINANT HUSBANDRY - 65713

Last update 21-09-2022

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Veterinary Medicine

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Dr. Shani Scheinin

Coordinator Email: shani.scheinin@mail.huji.ac.il

Coordinator Office Hours: By appointment

Teaching Staff:

Dr. Itai Asis,
Dr. Shani Scheinin,
Dr. Ahmad Younis,
Dr. LIAT MORGAN,
Dr. Tal Schcolnik,
Dr. Ami Arnin,
Dr. Omer Klein,
Dr. Adin Schwimer

Course/Module description:

The course will include information on the structure and scope of the various industries in Israel: dairy cattle, beef cattle, sheep, goats and pigs, as well as organizations and bodies involved in these fields. Production animals and breeds will be introduced, various breeding methods will be discussed, animal holdings and breeding facilities, herd flocks, herd composition and life cycle in the herd, milking management in milk-producing animals, familiarity with the indicators for assessing production efficiency, production quality and production planning and milk quotas . In addition, exposure to innovations from local research on management issues such as cooling in dairy farms and the relationship between welfare and production in pigs.

Course/Module aims:

To provide first year students of veterinary medicine basic knowledge and tools in the fields of livestock breeding in Israel, including dairy and beef cattle, sheep, goats and pigs. The course will focus on the local Israeli management and husbandry derived from the geographical-cultural reality in Israel and on the connection between management and animal health and their productivity.

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

At the end of this course, students will be able to connect various management problems with veterinary problems due to husbandry mistakes in different farm animals.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Lectures and tours

Course/Module Content:

Lectures and tours on the topics of agriculture and farm animals in Israel, structure and composition of farm animal branches: dairy, beef, sheep, goats and pigs. Breeds, breeding and feeding, facilities, intensive / extensive farming, life cycle and extensions, herd structure, production efficiency assessment, milking management, milk quotas, milk price, summer milk, new research in management

Required Reading:
presentations

Additional Reading Material:
According to presentations

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:

field trips during the course
participating in field trips is mandatory