

# *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](mailto:ragav@shaham.moag.gov.il)

*Coordinator Office Hours:* By appointment

*Teaching Staff:*

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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:

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*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)*