

Module Name	Modul C
Grazing Systems for Dairy Cattle in Europe	AEF-agr836
Module Coordinator	
Prof. Dr. F. Taube	
Organizer	
Institute of Crop Science and Plant Breeding - Grass and Forage Sciences	
Faculty	
Faculty of Agricultural and Nutritional Sciences	
Examination Office	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

ECTS Credits	6
Evaluation	Graded
Duration	1 Semester
Frequency	Only takes place during winter semesters
Workload per ECTS Credit	30 hours
Total Workload	180 hours
Contact Time	60 hours
Independent Study	120 hours
Teaching Language	English

Recommended Requirements			
Skills in grass and forage science (B.Sc. level, module AEF-agr013)			
Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Lecture	Grazing systems for dairy cattle in Europe	Compulsory	4
Prerequisites for Admission to the Examination(s)			

Examination(s)			
Examination Name	Type of Examination	Evaluation	Compulsory /Optional Weighting
Oral Examination: Grazing Systems for Dairy Cattle in Europe	Oral Examination	Graded	Compulsory 100

Further Information on the Examination(s)

- 1.+2. Audit period in winter semester (current semester of module)
1. Audit period in summer semester (1. audit period of the following semester)

Qis: Code 66000 with number of Examination 66010

Course Content

Grazing terminology, eco-physiology of grass growth, modelling of grass growth, grazing systems, grazing behaviour of dairy cattle, forage selection, dry matter intake, forage quality of grazed grass, economy of grazing, environmental effects of grazing systems, ecological footprints of dairy products based on grazing systems.

Learning Outcome

Students achieve knowledge in environment x management interactions of grazing systems for dairy cattle spread over Europe (e.g. alpine regions, Ireland, The Netherlands, Denmark). Additionally they achieve skills in modelling grazing management options due to climatic and management constraints and to analyze grazing systems in terms of ecological and economical effects e.g. by analyzing papers published in peer-reviewed scientific journals.

Reading List

Textbook: P.D. Penning: "Herbage Intake Handbook" (BGS, 2004); Allen et al.(2011): "An international terminology for grazing lands (Grass and Forage Sci., 66, 2-28); Copies of files presented and scientific journal papers, textbooks available in the institutes library; details are given at the beginning of the lecture period.

Additional Information

Enrollment by OLAT within workdays Monday through Friday in the 1st week of the 2. audit period of the preceding semester