

Module Name	Module Code
Grazing Systems for Dairy Cattle in Europe	AEF-agr836
Module Coordinator	
Prof. Dr. Friedhelm 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	Compul- sory/Optional	SWS
Lecture course	Grazing systems for dairy cattle in Europe	Compulsory	4

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. period in wintersemester 1. period in summersemester examiner: Prof. Dr. Taube QIS: 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). tionally they achieve skills in modelling grazing management options due to climatic and management constrains and to analyse grazing systems in terms of ecological and economical effects e.g. by analysing 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
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Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Special. Agricultural Economics and Agribusiness # Specific Field of Study: Agricultural Economics, (Version 2008)	Optional	-
Master, 1-Subject, Agricultural Sciences, Special. Agricultural Economics and Agribusiness # Specific Field of Study: Agribusiness, (Version 2008)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2008)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2008)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2008)	Optional	-
Master, 1-Subject, Dairy Science, (Version 2017)	Optional	-
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2013)	Optional	-
Master, 1-Subject, Nutritional Sciences and Household Economics, Specialisation Nutritional and Consumer Economics, (Version 2008)	Optional	-
Master, 1-Subject, Nutritional Sciences and Household Economics, Specialisation Nutritional Sciences, (Version 2008)	Optional	-

