

Module number	448 (für die Onlineanmeldung in QIS 66000)
Module name	Grazing systems for dairy cattle in Europe
Program of Study	MSc Agricultural Sciences, optional module
Offered	Annually WS
Module coordinator	Prof. Dr. F. Taube
Module advisor	Prof. Dr. F. Taube
Courses and teachers	Lecture: Grazing systems for dairy cattle in Europe Prof. Dr. F. Taube, Prof. Dr. A. Herrmann, external experts: Dr. James Humphreys (TEAGASC; Ireland); Dr. Hubert Spieckers; (Bayerische Landesanstalt für Landwirtschaft, Germany) Dr. Karin Soegard (Aarhus University, Danmark); Prof. Dr. H. Schnyder (TU München), Prof. Dr. J. Isselstein (Universität Göttingen); Dr. Agnes van der Pol (Wageningen University, The Netherlands), Dr. Henri Kohlen (LTA Ettelbrück, Luxembourg)
Prerequisites	Skills in grass and forage science (B.Sc. level, module 17)
Language	English
Module capacity on campus students	20 Registration: Institute of Crop Science and Plant Breeding, Group Grass and Forage Science/ Organic Agriculture Hermann Rodewald Str.9, 24118 Kiel Mrs. Hoffmann (during the first week of lecture period)
Module capacity off campus students	-
Course types (classroom/ total workload)	Lectures and discussion (60 h/ 180 h)
Schedule	<i>Weekly blocked during the first half of the semester (Thursday afternoon, 14c.t. – 18; Friday 8 c.t. – 12; October - December)</i>
Grading	Oral exam: Prof. Friedhelm Taube (100%) 20.12.2012 from 14 'o clock (Thursday) 21.12.2012 from 09 o clock (Friday) Enrolment during the course in the examination office (HRS6 R. 18 Frau Senkbeil/Frau Ruhberg) until 07. December 2012
ID-card	Required for oral examination
European Credit Points	6
Module Objectives	Students achieve knowledge in environment x management interactions of grazing systems for dairy cattle spread over Europe (alpine regions, Ireland, The Netherlands, Denmark). Additionally 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

Contents

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

Module Skills

Expertise in grazing systems in Europe

Study Resources

Copies of files presented and scientific journal papers, textbooks available in the institutes library; details are given at the beginning of the lecture period