Module Name	**Module Code**
Health Management in Dairy Herds	AEF-ds003
Module Coordinator	
Prof. Dr. Christina Hölzel	
Organizer	
Institute of Animal Breeding and Husbandry - Animal Health and Hygiene	
Faculty	
Faculty of Agricultural and Nutritional Sciences	
Examination Office	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

ECTS Credits	6
Evaluation	Graded
Duration	one 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

Module Courses			
Course Type	**Course Name**	**Compul-sory/Optional**	**SWS**
Lecture	Health Management in Dairy Herds	Compulsory	1,5
Exercise	Health Management in Dairy Herds	Compulsory	2
Field trip	Health Management in Dairy Herds	Compulsory	0,5
Prerequisits for Admission to the Examination(s)			
Regular visits of excursions are compulsory.			

Examination(s)				
Examination Name	**Type of Examination**	**Evaluation**	**Compulsory / Optional**	**Weighting**
Oral Examination: Health Management in Dairy Herds	Oral Examination	Graded	Compulsory	100

Further Information on the Examination(s)

1.+2. period in winter semester
1. period in summer semester
examiner: Prof. Dr. Hölzel
QIS: 300400 with exam 300410

Two presentations will be given by each student (A) Disease, (B) facts & figures contents of the own disease presentation will be part of the oral examination.

Course Content

Worldwide situation for notifiable diseases (epizootocs) according to OIE-databases; other relevant infectious and non-infectious diseases of dairy cattle ; pathogenesis, diagnosis and prevention of relevant diseases in ruminants with special focus on mastitis & fertility; dairy herd health management, routine monitoring procedures. In the seminar. As a prerequisite for the oral exam, students do a group-presentation of health-related facts and figures from selected countries all over the world and each student presents one disease topic.

Learning Outcome

Students achieve in-depth knowledge on etiology, diagnosis, spread and prevention of selected infectious diseases in ruminants and on general animal health management. They acquire skills for analyzing health & fertility management on dairy farms and learn how to find (and critically assess) solutions for improved on-farm health management procedures. They are able to identify important diseases and epizootics worldwide.

Reading List

Lecture slides.
The following books might be read at the institute of animal breeding and husbandry. We do not recommend buying them due to cost issues.
Brand, A., Noordhuizen, J.P.T.M., Schukken, Y. (1996) Herd Health and Production Management in Dairy Practice. Wageningen Academic Publishers. ISBN 9789074134347.
Green, M.J., Bradley, A.J. (2012): Dairy Herd Health. CABI, ISBN 9781845939984.
Noordhuizen J. (2012): Dairy Herd Health and Management: A Guide for Veterinarians and Dairy Professionals. Context Products, ISBN: 978-1899043361

Additional Information
Maximum number of participants: 30 - Up to 20 places will be allocated preferably to students in the Dairy Science master's program Enrollment by OLAT within workdays Monday through Friday in the 1st week of the 2. audit period of the preceding semester. The following information has to be provided for enrollment: matriculation number last name first name striven degree study program stu-Email The allocation of the places takes place in the 2nd week of the 2. audit period of the preceding semester. Notification will be sent to the stu-email address. Acceptance of the place by students only through participation at the first day of the course. Students without a place can get a place at the first day of the course by move-up procedure.

Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2013)	Optional	1.
Master, 1-Subject, Dairy Science, (Version 2017)	Compulsory	1.
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Optional	1.
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	1.
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2013)	Optional	1.