

Module Name	Module Code
Animal Behaviour and Welfare	AEF-ds008
Module Coordinator	
Prof. Dr. Eberhard Hartung	
Organizer	
Institute of Agricultural Engineering - Agricultural Engineering	
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 summer 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	Animal Behaviour and Welfare	Compulsory	2
Seminar	Animal Behaviour and Welfare	Compulsory	1
Practical exercise	Animal Behaviour and Welfare	Compulsory	1
Prerequisites for Admission to the Examination(s)			
Prerequisites for admission to oral examination are a passed presentation (not graded), active participation in group work and regular visits of practical exercises are compulsory.			

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Oral Examination: Animal Behaviour and Welfare	Oral Examination	Graded	Compulsory	100
Further Information on the Examination(s)				
1.+2. period in summer semester 1. period in winter semester examiner: Dr. Haeussermann QIS: 300900 with examination 300910				

Course Content
<p>All aspects of animal behaviour, how animals cope with welfare challenges and adapt to their environment, concepts of animal welfare assessment, human-animal interactions, animal-based assessment of husbandry system, interactions between ethological, physiological, genetic and environmental factors that affect animal welfare, legal regulations.</p> <p>Practical exercises: case farm visit for welfare assessment, presentation of methods and results.</p> <p>Seminar: latest research studies on different topics, prepared and presented by the students.</p>
Learning Outcome
<p>Students acquire a scientific background in animal behaviour. They learn concepts and approaches to assess behaviour and welfare of farm animals, and develop skills how to use animal behaviour for evaluating and improving husbandry systems and production processes.</p>
Reading List
<p>Phillips, C. (2002): Cattle Behaviour and Welfare. John Wiley & Sons.</p> <p>Rushen, J., de Passillé J.R., von Keyserlingk M.A.G., Weary D.M. (2008): The Welfare of Cattle. Springer, The Netherlands.</p> <p>Grandin, T. (2014): Livestock Handling and Transport. 4th Edition, CAB International, UK.</p> <p>Jensen, P. (2017): The Ethology of Domestic Animals- 3rd Edition, CABI, UK.</p> <p>Appleby, M. (2018): Animal welfare. 3rd Edition, CABI, UK.</p>
Additional Information
<p>Maximum number of participants: 24 - Up to 20 places will be allocated preferably to students in the Dairy Science master's program</p> <p>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:</p> <p>matriculation number last name first name striven degree study program stu-Email</p> <p>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.</p> <p>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.</p>

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.