

<b>Module Name</b>	<b>Module Code</b>
Eco-Efficiency of Dairy Systems	AEF-ds002-01a
<b>Module Coordinator</b>	
Prof. Dr. Uta Dickhöfer	
<b>Organizer</b>	
Institute of Animal Nutrition and Physiology	
<b>Faculty</b>	
Faculty of Agricultural and Nutritional Sciences	
<b>Examination Office</b>	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

<b>ECTS Credits</b>	6
<b>Evaluation</b>	Graded
<b>Duration</b>	one semester
<b>Frequency</b>	Only takes place during winter semesters
<b>Workload per ECTS Credit</b>	30 hours
<b>Total Workload</b>	180 hours
<b>Contact Time</b>	60 hours
<b>Independent Study</b>	120 hours
<b>Teaching Language</b>	English

<b>Recommended Requirements</b>			
Skills in forage production and the ability to evaluate different production systems in terms of yield formation, forage quality, and environmental effects.			
<b>Module Courses</b>			
<b>Course Type</b>	<b>Course Name</b>	<b>Compulsory/Optional</b>	<b>SWS</b>
Lecture	Eco-Efficiency of Dairy Systems	Compulsory	2
Seminar	Eco-Efficiency of Dairy Systems	Compulsory	1
Exercise	Eco-Efficiency of Dairy Systems	Compulsory	1
<b>Prerequisites for Admission to the Examination(s)</b>			
Prerequisites for admission to oral examination are a passed seminar presentation (grade: pass/fail).			

<b>Examination(s)</b>				
<b>Examination Name</b>	<b>Type of Examination</b>	<b>Evaluation</b>	<b>Compulsory / Optional</b>	<b>Weighting</b>
Oral Examination: Eco-Efficiency of Dairy Systems	Oral Examination	Graded	Compulsory	100
<b>Further Information on the Examination(s)</b>				
1.+2. period in winter semester 1. period in summer semester  QIS: 300300 with examination 300310				

<b>Course Content</b>
System analysis of forage-based land-use systems, methods to quantify environmental effects per production unit ("ecological footprint"), practical exercises in ecosystem accounting and life cycle analysis (LCA) of different production systems.
<b>Learning Outcome</b>
Students achieve knowledge to identify and quantify relationships and causal links of environmental effects of different dairy production systems. Further, students achieve skills to conduct a life cycle analysis (LCA) with established methods on their own.
<b>Reading List</b>
Further details are given at the beginning of the lecture.
<b>Additional Information</b>
<b>Students who attended module AEF-agr837 must not attend module AEF-ds002</b> Enrollment by OLAT 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 Further organizational issues will be announced during the first lecture.

<b>Use</b>	<b>Compulsory / Optional</b>	<b>Semester</b>
Master, 1-subject, Agricultural Sciences, Agricultural Economics, (Version 2017)	Optional	1.
Master, 1-subject, Agricultural Sciences, Agricultural Economics, (Version 2013)	Optional	1.
Master, 1-subject, Agricultural Sciences, Agribusiness, (Version 2017)	Optional	1.
Master, 1-subject, Agricultural Sciences, Agribusiness, (Version 2013)	Optional	1.
Master, 1-subject, Agricultural Sciences, Crop Sciences, (Version 2017)	Optional	1.
Master, 1-subject, Agricultural Sciences, Crop Sciences, (Version 2013)	Optional	1.
Master, 1-subject, Agricultural Sciences, Animal Sciences, (Version 2017)	Optional	1.
Master, 1-subject, Agricultural Sciences, Animal Sciences, (Version 2013)	Optional	1.
Master, 1-subject, Agricultural Sciences, Environmental Sciences, (Version 2017)	Optional	1.
Master, 1-subject, Agricultural Sciences, 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.