

Module Name	Module Code
Eco-Efficiency of Dairy Systems	dsAEF002-01a
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	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

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

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory/Optional	Weighting
Oral Examination: Eco-Efficiency of Dairy Systems	Oral Examination	Graded	Compulsory	100

Further Information on the Examination(s)

1.+2. period in winter semester (current semester of module)
1. period in summer semester (1. audit period of the following semester)

QIS: Code 300301 with number of examination 300310

Course Content

System analysis of forage based land-use systems, methodical derivations to quantify environmental effects per production unit ("ecological footprint"), practical exercises in ecosystem accounting and live cycle analysis (LCA) of different production systems.

Learning Outcome

Students achieve knowledge to identify and quantify relationships and causal links of environmental effects of different forage production systems. Further, students achieve skills to conduct a product-oriented live cycle analysis (LCA) with established methods on their own.

Reading List

Learning material will be uploaded to the institute's website. Further details are given at the beginning of the lecture.

Additional Information:

Students who attended module AEF-agr837 must not attend module AEF-ds002.

Enrollment by OLAT within workdays Monday through Friday in the 1st week of the 2. audit period of the preceding semester.

The allocation of the places takes place in the 2nd week of the 2. audit period of the preceding semester.