

Module Name	Module Code
Ruminant Nutrition	dsAEF009-01a
Module Coordinator	
Prof. Dr. Uta Dickhöfer	
Organizer	
Institute of Animal Nutrition and Physiology - Animal Nutrition	
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
Contact Time	60 hours
Independent Study	120 hours
Teaching Language	English

Recommended Requirements			
Basics in animal nutrition, feed sciences, biochemistry, and physiology (according to the BSc level in agriculture)			
Module Courses			
Course Type	Course Name	Compulsory/ Optional	SWS
Lecture	Ruminant Nutrition	Compulsory	4
Tutorial	Ruminant Nutrition	Additional subject	1
Prerequisites for Admission to the Examination(s)			
1. + 2. period in summer semester 1. period in winter semester QIS: 300101 with examination 300120			

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Oral Examination: Ruminant Nutrition	Oral Examination	Graded	Compulsory	100

Course Content
Feed evaluation; ruminal fermentation; energy and protein metabolism; efficiency of energy and protein utilization; nutritional effects on animal health, product quality, and environmental impacts; specific aspects of ruminant nutrition in different farming systems
Learning Outcome
Students have deepened knowledge and understanding of general and specific aspects of ruminant nutrition, physiology, and metabolism; students are able of linking basic science with problems occurring in practical feeding of ruminants
Reading List
Nutrition: A comprehensive list of text books, specific publications and feed tables is provided. The complete presentations shown during the lecture are available on OLAT.