

<b>Module Name</b>	<b>Module Code</b>
Ruminant Nutrition	dsAEF009-01b
<b>Module Coordinator</b>	
Prof. Dr. Uta Dickhöfer	
<b>Organizer</b>	
Institute of Animal Nutrition and Physiology - Animal Nutrition	
<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 summer semesters
<b>Workload per ECTS Credit</b>	30 hours
<b>Contact Time</b>	60 hours
<b>Independent Study</b>	120 hours
<b>Teaching Language</b>	English

<b>Recommended Requirements</b>			
Basics in animal nutrition, feed sciences, biochemistry, and physiology (according to the BSc level in agriculture)			
<b>Module Courses</b>			
<b>Course Type</b>	<b>Course Name</b>	<b>Compulsory/ Optional</b>	<b>SWS</b>
Lecture	Ruminant Nutrition	Compulsory	4
Tutorial	Ruminant Nutrition	Additional subject	1
<b>Prerequisites for Admission to the Examination(s)</b>			

<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: Ruminant Nutrition	Oral Examination	Graded	Compulsory	100
<b>Further Information on the Examination(s)</b>				
1. + 2. period in summer semester 1. period in winter semester				
QIS: 300102 with examination 300120				

<b>Course Content</b>
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
<b>Learning Outcome</b>
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
<b>Reading List</b>
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.