

Module Name		Module Code	
Management and Innovation in Food Supply Chain		agrarAEF200-02a	
Module Coordinator			
Prof. Dr. Sebastian Heß			
Organizer			
Institute of Agricultural Economics - Dairy and Food Industry Economics			
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	German		
Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Lecture	Management and Innovation in Food Supply Chain	Compulsory	2
Seminar	Management and Innovation in Food Supply Chain	Compulsory	2
Seminar	Management and Innovation in Food Supply Chain – Supplementary office hours	optional	2

Prerequisites for Admission to the Examination(s)

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Written Examination: Management and Innovation in Food Supply Chain	Written Examination	Graded	Compulsory	100

Further Information on the Examination(s)

1.+2. period in summer semester 1. period in winter semester examiner: Prof. Dr. Heß
 QIS: xxxxxx with number of Examination xxxxxxxxxxxxxxxx

Course Content

Lecture: Economic, sociological and organizational factors of organization, management, technology adoption and innovations in food supply chains. Stages of the innovation processes; implications of ownership rights; network effects. Technology diffusion in agribusiness. Economic theories of research and development. Economic theories of technological change and entrepreneurship. Localization and transport problems; outsourcing. Governance of food quality standards in food supply chains.
 Seminar: Individual and group-based projects related to case studies of food supply chains and reading of related scientific literature.

Learning Outcome

Students are familiar with the economic concept of a supply chain and are able to name and explain economic, sociological and organizational problems and management challenges that frequently occur in supply chains. Students can describe and analyze innovations and innovation processes within supply chains in the Agribusiness from an applied economic perspective.

Reading List

Further relevant readings will be distributed during lectures. WTO (2013). Global value chains in a changing world. WTO publications. Geneva. Chopra, S., Meindl, P. (2015). Supply chain management. Strategy, planning & operation, 6th edition. Pearson. ISBN-13: 9781292093567 Arthur, W.B. (2009). The Nature of Technology. New York, NY: Free Press. Sunding, D., Zilberman, D. (2001): The agricultural innovation process: research and technology adoption in a changing agricultural sector. In: Gardner, B., Rausser, G. (eds.) Handbook of Agricultural Economics, Vol.1, pp. 207-261. Jongen, W. M. F., Meulenberg, M. T. G. (2005). Innovation in agri-food systems. Wageningen Academic Publishers

Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	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.