

## **Master of Dairy Science – compulsory elective modules, catalog 1 (Wahlpflichtbereich 1, date: Nov 2020)**

Dairy Science students have to choose at least three courses (amounting to 18 ECTS) out of this catalog

### **Winter semester**

<b>Semester</b>	<b>Module code</b>	<b>Module name</b>	<b>Exam</b>	<b>Credits (ECTS)</b>
WS	AEF-agr059	Quantitative Methods of Farm Planning	<i>oral</i>	6
WS	agraraEF060-01a	Agricultural Markets and International Trade	<i>written</i>	6
WS	agraraEF810-01a	Precision Livestock Farming	<i>oral 70% + seminar contribution 30%</i>	6
WS	AEF-agr836	Grazing Systems for Dairy Cattle in Europe	<i>oral</i>	6
WS	agraraEF861-01a	Molecular Biology Approaches for Animal Nutrition and Physiology	<i>written</i>	6
WS	agraraEF871-01a	Plant-Soil Microbiome Interactions for Sustainable Agriculture	<i>oral</i>	6
WS	AEF-agrig010	Utilization of Genome Analysis in Animal Breeding	<i>oral</i>	6
WS	AEF-eg004	Development Economics	<i>written</i>	6
WS	AEF-eg006	Environmental Economics	<i>written</i>	6
WS	AEF-EM009	Principles of Environmental Economics & Environmental Planning	<i>oral</i>	6
WS/SS		Any modules not listed the contents of which are related to the subject area of Dairy Science (must be approved by the Examination Board)		up to 30

*Note for students participating in an Erasmus exchange program: courses specified in your learning agreement can be approved as compulsory elective modules (Wahlpflichtbereich 1) if their content is related to the subject area of Dairy Science. Please check in advance.*

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### **Summer semester**

<b>Semester</b>	<b>Module code</b>	<b>Module name</b>	<b>Exam</b>	<b>Credits (ECTS)</b>
SS	AEF-eg003e	Food Policy	<i>written</i>	6
SS	AEF-agr069	Econometric Production and Trade Analysis	<i>written 50% + seminar contribution 50%</i>	6
SS	agraraEF200-01a	Management and Innovation in Food Supply Chains	<i>written</i>	6
SS	AEF-agrig017	Biological Systems as Bioreactors	<i>oral</i>	6
SS	agraraEF867-01a	Field Experiment in Grass and Forage Science	<i>oral 50% + seminar contribution 50%</i>	6
SS	agraraEF873-01a	Plant Nutrition in the Tropics and Subtropics	<i>oral</i>	6
SS	agraraEF875-01a	Role of the Microbiome for Soil Fertility and Plant Growth	<i>oral</i>	6
SS	agraraEF876-01a	Modelling Grass-Based Dairy Systems	<i>oral</i>	6
WS/SS		Any modules not listed the contents of which are related to the subject area of Dairy Science (must be approved by the Examination Board)		up to 30

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