

Study program N0811A370002 - Sustainable Agriculture and Food Security (AGRIFOM)

MSc. full time course

Program guarantor: doc. Ing. Jaroslav Havlík, Ph.D.

1st year

	Subject	ECTS	AS	SS
AVA43E	Animal Physiology	5	2/2 E	
ACA12E	Biochemistry	5	2/2 E	
AGA47E	Experimental Design and Statistics	5	2/2 E	
ABA15E	Plant Physiology	5	2/2 E	
AQA59E	Sustainability in the Food Chain	3	1/1 E	
	1x Compulsory Optional Subject group 1	5	AS or SS	
ARA42E	Alternative Agriculture	5		2/2 E
ARA46E	Crop Management Systems	5		2/2 E
AQA03Z	Excursion	1		1 day C
ACA13E	Food Chemistry	5		2/2 E
ASA48E	Livestock Management	5		2/2 E
AWA64Z	MSc. Thesis I	5		125 hours C
AUA59Z	Practical Diploma Training	5		125 hours C
EHI03E	Rural Development	5		2/2 E
AHA17E	Soil and Plant Relationship	5		2/2 E
64 + optional subject (5) = 69 C				

2nd year

	Subject	ECTS	AS	SS
AMA09E	Agricultural and Environmental Microbiology	5	2/2 E	
AVA54E	Animal Biotechnology	4	1/1 E	
ACA06E	Environmental Analytical Chemistry	5	2/2 E	
AQA25E	Food Quality and Food Safety	5	2/2 E	
AQA55E	Quality Assessment of Plant-Based Foods	5	2/2 E	
	1x Compulsory Optional Subject group 2	min. 4	Only AS	
AWA63Z	MSc. Thesis II	6+6	150 hours C	150 hours C
AQA62E	Advanced Technology in Food Production	5		2/2 E
AKA34E	Food, Beverages and Dietary Supplements	5		2/2 E
AQA60E	Quality Assessment of Animal-Based Foods	5		2/2 E
AMA18E	Special Food Biotechnology	5		2/2 E
56 + optional subjects (min 4) = 60 C in total 120 + optional subjects (min 9) = 129 C				

List of optional subjects – group 1

	Compulsory optional subject	ECTS	AS	SS
ATA33E	Sustainable Agriculture	5	2/2 E	
AAA30E	Weed Science	5	2/2 E	
AEA38E	Fish Systematics	5		2/2 E

List of optional subjects – group 2

	Compulsory optional subject	ECTS	AS	SS
AAA41E	Advanced Meteorology and Climatology	5	2/2 E	
ADA21E	Poultry Management	5	2/2 E	
AKA39E	Sensory Analysis of Food	4	1/2 E	
APA22E	Soil Taxonomy, Survey and GIS	5	2/2 E	

Explanation: AS = Autumn semester; SS = Spring semester; E = Examination; C = Credited

The student should enrol in the Erasmus + program and should spend one semester abroad at one of our sister universities. If a student has an approved "Learning Agreement" (list of courses at a sister university) by Study Program guarantor then all fulfilled equivalent courses at a foreign university are accepted and he/she do not need to complete these courses from the curriculum here above.

State exam

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Subject of the SE (corridor)	Subjects of the corridor
Sustainable Agriculture	Sustainability in the Food Chain
	Alternative Agriculture
Food Quality and Food Chemistry	Food Quality and Food Safety
	Quality Assessment of Plant-based Food
	Quality Assessment of Animal-based Foods
Food Technology and Biotechnology	Special Food Biotechnology
	Advanced Technology in Food Production
	Food, Beverages and Dietary Supplements
Diploma thesis defence	