

Study Programme

Academic year 2024-2025

Faculty of Bioscience Engineering

Exchange Programme in Bioscience Engineering: Agricultural Sciences (master's level)

Language of instruction: English

Programme version 9

1 Elective Courses

1.1 General courses

Nr Co	ourse		CRDT	Ref	MT1	Session	Study
1 10	002777	Human Nutrition John Van Camp Department of Food Technology, Safety and Health	5			A:1	150
2 10	002652	Quality Management and Risk Analysis Liesbeth Jacksens Department of Food Technology, Safety and Health	5			A:2	150
3 10	002756	Applied Statistics Louis Coussement Department of Data Analysis and Mathematical Modelling	5			A:1	150
4 10	001280	Experimental Design Stijn Luca Department of Data Analysis and Mathematical Modelling	3			A:2	75
5 10	001967	Intellectual Property and Valorization Benedikt Sas Department of Food Technology, Safety and Health	3			A:2	90
6 10	002713	Applied Soil Biology Stefaan De Neve Department of Environment	4			A:1	120
7 10	002739	Precision Agriculture Abdul Mouazen Department of Environment	5			A:2	150
8 10	002932	Machine Learning for Life Sciences Willem Waegeman Department of Data Analysis and Mathematical Modelling	5			A:1	150

1.2 Agricultural economic courses

Nr	Course		CRDT	Ref MT1	Session	Study
1	1002650	Agricultural and Rural Policy, EU Perspective Jeroen Buysse Department of Agricultural Economics	5		A:1	150
2	1002798	Applied Rural Economic Research Methods - Partim I Hans De Steur Department of Agricultural Economics	5		A:1	150
3	1002804	Advanced Studies in Agricultural Economics Stijn Speelman Department of Agricultural Economics	7		A:2	210
4	1002779	Development Economics Marijke D'Haese Department of Agricultural Economics	5		A:1	150
5	1002718	Economics and Management of Natural Resources Stijn Speelman Department of Agricultural Economics	4		A:2	120
6	1002763	Advanced Marketing and Agribusiness Management Wim Verbeke Department of Agricultural Economics	5		A:2	150
7	1002799	Micro-Economic Theory and Farm Management Stijn Speelman Department of Agricultural Economics	5		A:1	150
8	1002160	Applied Rural Economics Research Methods - Partim II Jeroen Buysse Department of Agricultural Economics	5		A:2	135
9	1002800	Scientific Communication on Rural Development Hans De Steur Department of Agricultural Economics	3		A:1	90
10	1002747	Sociological Perspectives on Rural Development Joost Dessein Department of Agricultural Economics	5		A:2	150

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11 1002758	Food Marketing and Consumer Behaviour Wim Verbeke Department of Agricultural Economics	5	A:1	150
12 1002722	Sensory Analysis Xavier Gellynck Department of Agricultural Economics	5	A:1	150
13 1002765	Sustainable Food Systems Joost Dessein Department of Agricultural Economics	5	A:2	150
14 1002917	Project Design in Agri-food Systems Hans De Steur Department of Agricultural Economics	5	A:2	150
1.3 Anima	al production courses			
Nr Course		CRDT Ref MT1	Session	Study
1 1002644	Animal Physiology [nl] Veerle Fievez Department of Animal Sciences and Aquatic Ecology	4	A:1	120
2 1002764	Milk and Dairy Technology Koen Dewettinck Department of Food Technology, Safety and Health	4	A:1	120
3 1002653	Animal Nutrition Veerle Fievez Department of Animal Sciences and Aquatic Ecology	5	A:2	150
4 1002755	Meat Science and Technology Stefaan De Smet Department of Animal Sciences and Aquatic Ecology	4	A:1	120
5 1001084	Technology of Fishery Products Frank Devlieghere Department of Food Technology, Safety and Health	3	A:1	75
1.4 Plant	production and protection courses			
Nr Course		CRDT Ref MT1	Session	Study
1 1002646	Nutrient Management Stefaan De Neve Department of Environment	5	A:2	150
2 1002657	Soil Physics Wim Cornelis Department of Environment	5	A:1	150
3 1002708	Soil Water Management Wim Cornelis Department of Environment	5	A:2	150
4 1002738	Plant Breeding Steven Maenhout Department of Plants and Crops	5	A:1	150
5 1002611	Plant Biotechnology Laurens Pauwels Department of Biotechnology	5	A:2	150
6 1002731	Tropical Crop Production Eduardo de la Pena Department of Plants and Crops	4	A:2	120
7 1002629	Plant Phenotyping Technologies Kris Audenaert Department of Plants and Crops	3	A:2	90
8 1002630	Functional Plant Biology Danny Geelen Department of Plants and Crops	4	A:2	120
9 1002627	Plants and Microclimate Kathy Steppe Department of Plants and Crops	5	A:1	150
10 1002626	Plants, Pathogens and Pests Monica Höfte Department of Plants and Crops	5	A:2	150
11 1002735	Biological Control of Crop Pests and Diseases Monica Höfte Department of Plants and Crops	5	A:1	150
12 1002713	Applied Soil Biology Stefaan De Neve Department of Environment	4	A:1	120
13 1002773	Soil Chemistry Filip Tack Department of Green Chemistry and Technology	5	A:1	150
14 1002914	Sustainable Agriculture: a Global Perspective Eduardo de la Pena Department of Plants and Crops	5	A:1	150
15 1002915	Sustainable Processing for Safe and Nutritious Foods Koen Dewettinck Department of Food Technology, Safety and Health	5		150
16 1003015	Environmental Fate and Management of Pesticides	5	A:1	150
	Pieter Spanoghe Department of Plants and Crops			
1.5 Aquad	culture courses			

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1002086	Aquatic Microbial Community Management Tom Defoirdt Department of Biotechnology	3	A:1	75
1002797	Fish and Shellfish Immunology Daisy Vanrompay Department of Animal Sciences and Aquatic Ecology	4	A:1	120
1002796	Diseases in Aquaculture Annelies Declercq Department of Animal Sciences and Aquatic Ecology	6	A:1	180
1000086	Algae Culture Taejun Han Department of Animal Sciences and Aquatic Ecology	3	A:2	75
1002535	Applied Marine Ecology Colin Janssen Department of Animal Sciences and Aquatic Ecology	3	A:1	90
1001579	Physiology of Aquatic Organisms Thomas Van Hecke Department of Animal Sciences and Aquatic Ecology	3	A:2	75
1002165	Management in the Aquaculture Industry Margriet Drouillon Department of Animal Sciences and Aquatic Ecology	3	A:1	75
1002794	Aquaculture Nutrition Veerle Fievez Department of Animal Sciences and Aquatic Ecology	5	A:2	150
1002504	Applied Freshwater Ecology Peter Goethals Department of Animal Sciences and Aquatic Ecology	3	A:1	90
1000928	Aquaculture Environmental Impact Jana Asselman Department of Animal Sciences and Aquatic Ecology	3	A:2	90
1003023	Basic Principles in Aquaculture Techniques Annelies Declercq Department of Animal Sciences and Aquatic Ecology	4	A:1	120
1003027	Aquaculture Genetics Annelies Declercq Department of Animal Sciences and Aquatic Ecology	5	A:1	150
	1002797 1002796 1000086 1002535 1001579 1002165 1002794 1002504	Tom Defoirdt Department of Biotechnology Daisy Vanrompay Department of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Annelies Declercq Department of Animal Sciences and Aquatic Ecology 100086 Algae Culture Taejun Han Department of Animal Sciences and Aquatic Ecology 1002535 Applied Marine Ecology Colin Janssen Department of Animal Sciences and Aquatic Ecology 1001579 Physiology of Aquatic Organisms Thomas Van Hecke Department of Animal Sciences and Aquatic Ecology 1002165 Management in the Aquaculture Industry Margriet Drouillon Department of Animal Sciences and Aquatic Ecology 1002794 Aquaculture Nutrition Veerle Fievez Department of Animal Sciences and Aquatic Ecology 1002504 Applied Freshwater Ecology Peter Goethals Department of Animal Sciences and Aquatic Ecology 1000928 Aquaculture Environmental Impact Jana Asselman Department of Animal Sciences and Aquatic Ecology 1003023 Basic Principles in Aquaculture Techniques Annelies Declercq Department of Animal Sciences and Aquatic Ecology Aquaculture Genetics	Tom Defoirdt Department of Biotechnology Fish and Shellfish Immunology Daisy Vanrompay Department of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Annelies Declercq Department of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Annelies Declercq Department of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Annelies Declercq Department of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Cology Diseases in Aquaculture Of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Ecology Diseases in Aquatic Ecology Diseases in Aquatic Ecology Applied Marine Ecology Department of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Industry Diseases in Aquaculture Industry Diseases in Aquaculture Ecology Diseases in Aquaculture Ecology Diseases in Aquaculture Environmental Impact Diseases in Aquaculture Environmental Impact Diseases in Aquaculture Techniques Diseases in Aquaculture Techniques Diseases in Aquaculture Genetics Diseases in Aquaculture Ecology Diseases in Aquaculture Techniques Diseases in Aquaculture Genetics Diseases in Aquaculture Ecology Diseases in Aquaculture Techniques Diseases in Aquaculture Genetics Diseases in Aquaculture Ecology Diseases in Aquaculture Techniques Diseases in Aquaculture Genetics Diseases in Aquaculture Ecology Diseases in Aquaculture Ecology Diseases in Aquaculture Ecology Diseases in Aquaculture Ecology Diseases in Aquaculture Techniques Diseases in Aquaculture Ecology Diseases in Aquaculture E	Tom Defoirdt Department of Biotechnology Fish and Shellfish Immunology Dalsy Vanrompay Department of Animal Sciences and Aquatic Ecology Diseases in Aquaculture Annelles Declercq Department of Animal Sciences and Aquatic Ecology Algae Culture Taejun Han Department of Animal Sciences and Aquatic Ecology Applied Marine Ecology Algae Culture Thomas Van Hecke Department of Animal Sciences and Aquatic Ecology Aquatic Organisms Thomas Van Hecke Department of Animal Sciences and Aquatic Ecology Adage Culture Aquaculture Industry Aquaculture Nutrition Aquaculture Nutrition Aquaculture Nutrition Aquaculture Nutrition Aquaculture Nutrition Aquaculture Nutrition Applied Freshwater Ecology Aquacitic Ecology Aquaculture Nutrition Applied Freshwater Ecology Aquaculture Environmental Impact Annelies Declercq Department of Animal Sciences and Aquatic Ecology Aquaculture Environmental Impact Annelies Declercq Department of Animal Sciences and Aquatic Ecology Aquaculture Genetics Actinopsis Actinopsis Aquaculture Techniques Annelies Declercq Department of Animal Sciences and Aquatic Ecology Aquaculture Genetics Actinopsis Actinopsis Aquaculture Genetics Actinopsis Actinopsis Actinopsis Actinopsis Acquaculture Genetics Actinopsis Actinopsis Actinopsis Actinopsis Actinopsis Acquaculture Genetics Actinopsis Actinopsis Acquaculture Genetics Actinopsis Actinopsis Acquaculture Genetics Actinopsis Acquaculture Genetics Actinopsis Actinopsis Acquaculture Genetics Acquaculture Genetics

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian de: German es: Spanish ja: Japanese pl: Polish sh: Kroatian/Serbian zh: Chinese

pt: Portuguese cs: Czech el: Greek fr: French nl: Dutch sl: Slovene it: Italian ru: Russian da: Danish en: English no: Norwegian sv: Swedish

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course in not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

f: annually, from 2026-2027 g: bi-annually, from 2026-2027 c: annually, from 2025-2026 i: annually, from 2027-2028 a: bi-annually j: bi-annually, from 2027-2028 b: tri-annually d: bi-annually, from 2025-2026 h: tri-annually, from 2026-2027 k: tri-annually, from 2027-2028 e: tri-annually, from 2025-2026

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