GHENT UNIVERSITY

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	Course		CRDT	Ref	MT1	Session	Study
1	I002777	Human Nutrition *John Van Camp -- Department of Food Technology, Safety and Health*	5			A:1	150
2	I002652	Quality Management and Risk Analysis *Liesbeth Jacxsens -- Department of Food Technology, Safety and Health*	5			A:2	150
3	I002756	Applied Statistics *Louis Coussement -- Department of Data Analysis and Mathematical Modelling*	5			A:1	150
4	I001280	Experimental Design *Stijn Luca -- Department of Data Analysis and Mathematical Modelling*	3			A:2	75
5	I001967	Intellectual Property and Valorization *Benedikt Sas -- Department of Food Technology, Safety and Health*	3			A:2	90
6	I002713	Applied Soil Biology *Stefaan De Neve -- Department of Environment*	4			A:1	120
7	I002739	Precision Agriculture *Abdul Mouazen -- Department of Environment*	5			A:2	150
8	I002932	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	I002650	Agricultural and Rural Policy, EU Perspective *Jeroen Buysse -- Department of Agricultural Economics*	5			A:1	150
2	I002798	Applied Rural Economic Research Methods - Partim I *Hans De Steur -- Department of Agricultural Economics*	5			A:1	150
3	I002804	Advanced Studies in Agricultural Economics *Stijn Speelman -- Department of Agricultural Economics*	7			A:2	210
4	I002779	Development Economics *Marijke D'Haese -- Department of Agricultural Economics*	5			A:1	150
5	I002718	Economics and Management of Natural Resources *Stijn Speelman -- Department of Agricultural Economics*	4			A:2	120
6	I002763	Advanced Marketing and Agribusiness Management *Wim Verbeke -- Department of Agricultural Economics*	5			A:2	150
7	I002799	Micro-Economic Theory and Farm Management *Stijn Speelman -- Department of Agricultural Economics*	5			A:1	150
8	I002160	Applied Rural Economics Research Methods - Partim II *Jeroen Buysse -- Department of Agricultural Economics*	5			A:2	135
9	I002800	Scientific Communication on Rural Development *Hans De Steur -- Department of Agricultural Economics*	3			A:1	90
10	I002747	Sociological Perspectives on Rural Development *Joost Dessein -- Department of Agricultural Economics*	5			A:2	150

11	I002758	Food Marketing and Consumer Behaviour *Wim Verbeke -- Department of Agricultural Economics*	5			A:1	150
12	I002722	Sensory Analysis *Xavier Gellynck -- Department of Agricultural Economics*	5			A:1	150
13	I002765	Sustainable Food Systems *Joost Dessein -- Department of Agricultural Economics*	5			A:2	150
14	I002917	Project Design in Agri-food Systems *Hans De Steur -- Department of Agricultural Economics*	5			A:2	150

1.3 Animal production courses

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002644	Animal Physiology [nl] *Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology*	4			A:1	120
2	I002764	Milk and Dairy Technology *Koen Dewettinck -- Department of Food Technology, Safety and Health*	4			A:1	120
3	I002653	Animal Nutrition *Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology*	5			A:2	150
4	I002755	Meat Science and Technology *Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology*	4			A:1	120
5	I001084	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	I002646	Nutrient Management *Stefaan De Neve -- Department of Environment*	5			A:2	150
2	I002657	Soil Physics *Wim Cornelis -- Department of Environment*	5			A:1	150
3	I002708	Soil Water Management *Wim Cornelis -- Department of Environment*	5			A:2	150
4	I002738	Plant Breeding *Steven Maenhout -- Department of Plants and Crops*	5			A:1	150
5	I002611	Plant Biotechnology *Laurens Pauwels -- Department of Biotechnology*	5			A:2	150
6	I002731	Tropical Crop Production *Eduardo de la Pena -- Department of Plants and Crops*	4			A:2	120
7	I002629	Plant Phenotyping Technologies *Kris Audenaert -- Department of Plants and Crops*	3			A:2	90
8	I002630	Functional Plant Biology *Danny Geelen -- Department of Plants and Crops*	4			A:2	120
9	I002627	Plants and Microclimate *Kathy Steppe -- Department of Plants and Crops*	5			A:1	150
10	I002626	Plants, Pathogens and Pests *Monica Höfte -- Department of Plants and Crops*	5			A:2	150
11	I002735	Biological Control of Crop Pests and Diseases *Monica Höfte -- Department of Plants and Crops*	5			A:1	150
12	I002713	Applied Soil Biology *Stefaan De Neve -- Department of Environment*	4			A:1	120
13	I002773	Soil Chemistry *Filip Tack -- Department of Green Chemistry and Technology*	5			A:1	150
14	I002914	Sustainable Agriculture: a Global Perspective *Eduardo de la Pena -- Department of Plants and Crops*	5			A:1	150
15	I002915	Sustainable Processing for Safe and Nutritious Foods *Koen Dewettinck -- Department of Food Technology, Safety and Health*	5				150
16	I003015	Environmental Fate and Management of Pesticides *Pieter Spanoghe -- Department of Plants and Crops*	5			A:1	150

1.5 Aquaculture courses

Nr	Course	CRDT	Ref	MT1	Session	Study

1	I002086	Aquatic Microbial Community Management *Tom Defoirdt -- Department of Biotechnology*	3	A:1	75
2	I002797	Fish and Shellfish Immunology *Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology*	4	A:1	120
3	I002796	Diseases in Aquaculture *Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology*	6	A:1	180
4	I000086	Algae Culture *Taejun Han -- Department of Animal Sciences and Aquatic Ecology*	3	A:2	75
5	I002535	Applied Marine Ecology *Colin Janssen -- Department of Animal Sciences and Aquatic Ecology*	3	A:1	90
6	I001579	Physiology of Aquatic Organisms *Thomas Van Hecke -- Department of Animal Sciences and Aquatic Ecology*	3	A:2	75
7	I002165	Management in the Aquaculture Industry *Margriet Drouillon -- Department of Animal Sciences and Aquatic Ecology*	3	A:1	75
8	I002794	Aquaculture Nutrition *Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology*	5	A:2	150
9	I002504	Applied Freshwater Ecology *Peter Goethals -- Department of Animal Sciences and Aquatic Ecology*	3	A:1	90
10	I000928	Aquaculture Environmental Impact *Jana Asselman -- Department of Animal Sciences and Aquatic Ecology*	3	A:2	90
11	I003023	Basic Principles in Aquaculture Techniques *Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology*	4	A:1	120
12	I003027	Aquaculture Genetics *Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology*	5	A:1	150

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

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