

Faculty of Bioscience Engineering

Exchange Programme in Bioscience Engineering: Cell and Gene Biotechnology (master's level)

Language of instruction: English

Programme version 5

1 Elective Courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002745 Applied Animal Genetics <i>Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology</i>	5			A:1	150
2	I002750 Isotopes in Biosciences <i>Pascal Boeckx -- Department of Green Chemistry and Technology</i>	5			A:1	150
3	I002628 Molecular Plant Breeding <i>Danny Geelen -- Department of Plants and Crops</i>	5			A:1	150
4	I002615 Protein Chemistry <i>Els Van Damme -- Department of Biotechnology</i>	4			A:1	120
5	I002688 Biopharmacy of Biotechnological Drugs <i>Stefaan De Smedt -- Department of Pharmaceutics</i>	3			A:2	90
6	I001280 Experimental Design <i>Stijn Luca -- Department of Data Analysis and Mathematical Modelling</i>	3			A:2	75
7	I002717 Functional Foods <i>Carl Lachat -- Department of Food Technology, Safety and Health</i>	5			A:2	150
8	I002632 Metabolic Engineering and Modelling of Micro-organisms <i>Marjan De Mey -- Department of Biotechnology</i>	4			A:2	120
9	I002607 Resource Recovery Technology <i>Ramon Ganigüé -- Department of Biotechnology</i>	6			A:2	180
10	I002611 Plant Biotechnology <i>Godelieve Gheysen -- Department of Biotechnology</i>	5			A:2	150
11	I002652 Quality Management and Risk Analysis <i>Liesbeth Jaccxs -- Department of Food Technology, Safety and Health</i>	5			A:2	150
12	I002616 Genome Analysis <i>Tim De Meyer -- Department of Data Analysis and Mathematical Modelling</i>	5			A:2	150
13	I002091 Predictive Modelling <i>Willem Waegeman -- Department of Data Analysis and Mathematical Modelling</i>	5			B:2	150
14	I002642 Biological Databases <i>Wim Van Criekeinghe -- Department of Data Analysis and Mathematical Modelling</i>	5			A:2	150
15	I002644 Animal Physiology [nl] <i>Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology</i>	4			A:1	120
16	I001967 Intellectual Property and Valorization <i>Benedikt Sas -- Department of Food Technology, Safety and Health</i>	3			A:2	90
17	I002621 Gene Regulation and Epigenetics <i>Godelieve Gheysen -- Department of Biotechnology</i>	3			A:2	90
18	I002624 Biochemical and Molecular Nutrition <i>John Van Camp -- Department of Food Technology, Safety and Health</i>	3			A:1	90
19	I002635 Enzyme Engineering and Modelling <i>Tom Desmet -- Department of Biotechnology</i>	3			A:1	90
20	I002629 Plant Phenotyping Technologies <i>Kris Audenaert -- Department of Plants and Crops</i>	3			A:2	90

21	I002795	Aquaculture Genetics <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	6	A:1	180
22	I002617	Bio-imaging and Image Informatics <i>Andre Skirtach -- Department of Biotechnology</i>	4	A:1	120
23	I002633	Functional (Meta)genomics <i>Inge Van Bogaert -- Department of Biotechnology</i>	4	A:2	120
24	I002630	Functional Plant Biology <i>Danny Geelen -- Department of Plants and Crops</i>	4	A:2	120
25	I002634	Synthetic Biology <i>Marjan De Mey -- Department of Biotechnology</i>	4	A:2	120
26	I002610	Bioinformatics <i>Wim Van Crielinge -- Department of Data Analysis and Mathematical Modelling</i>	5	A:1	150
27	I002613	Human and Animal Biotechnology <i>Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology</i>	5	A:2	150
28	I002612	Industrial Biotechnology <i>Wim Soetaert -- Department of Biotechnology</i>	5	A:1	150
29	I002622	Immunology <i>Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology</i>	5	A:2	150
30	I002631	Industrial Fermentation Processes and Downstream Processing <i>Wim Soetaert -- Department of Biotechnology</i>	5	A:2	150
31	I002627	Plants and Microclimate <i>Kathy Steppe -- Department of Plants and Crops</i>	5	A:1	150
32	I002626	Plants, Pathogens and Pests <i>Monica Höfte -- Department of Plants and Crops</i>	5	A:2	150
33	I002719	Modelling and Simulation with Partial Differential Equations in Practice <i>Ingmar Nopens -- Department of Data Analysis and Mathematical Modelling</i>	5	A:1	150
34	I002623	Interphase Processes of Host-associated Micro-organisms <i>Tom Van de Wiele -- Department of Biotechnology</i>	5	A:1	150
35	I002614	Microbiomics <i>Andreja Rajkovic -- Department of Food Technology, Safety and Health</i>	4	A:1	120
36	I002636	Spatio-temporal Models <i>Jan Baetens -- Department of Data Analysis and Mathematical Modelling</i>	5		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 course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/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 is 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 2022-2023	f: annually, from 2023-2024	i: annually, from 2024-2025
b: tri-annually	d: bi-annually, from 2022-2023	g: bi-annually, from 2023-2024	j: bi-annually, from 2024-2025
	e: tri-annually, from 2022-2023	h: tri-annually, from 2023-2024	k: tri-annually, from 2024-2025