Study Programme

Academic year 2021-2022

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

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