Study Programme

Academic year 2021-2022

Faculty of Bioscience Engineering

Bachelor of Science in Bioscience Engineering -- Forest and Nature Management

Language of instruction: Dutch

Programme version 2

1 General Courses · 150 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002416	Calculus	6	1		A:1	180
		Jan Baetens -- Department of Data Analysis and Mathematical Modelling					
2	I002417	Mechanics, Vibrations and Waves	5	1		A:1	150
		Dirk Poelman -- Department of Solid State Sciences					
3	I002418	General and Inorganic Chemistry: Structure	5	1		A:1	150
		Rik Van Deun -- Department of Chemistry					
4	I002419	Cellular and Molecular Biology	4	1		A:1	120
		Godelieve Gheysen -- Department of Biotechnology					
5	I002420	Applied Botany: Morphology and Diversity	5	1		A:1	150
		Pieter De Frenne -- Department of Environment					
6	I002421	Scientific Computing	5	1		A:J	150
		Jan Verwaeren -- Department of Data Analysis and Mathematical Modelling					
7	I002422	Linear Algebra	5	1		A:2	150
		Willem Waegeman -- Department of Data Analysis and Mathematical Modelling					
8	I002423	Thermodynamic Processes	5	1		A:2	150
		Frederik Ronsse -- Department of Green Chemistry and Technology					
9	I002424	General and Inorganic Chemistry: Reactivity and Analysis	6	1		A:2	180
		Rik Van Deun -- Department of Chemistry					
10	I002425	Applied Zoology: Invertebrates	5	1		A:2	150
		Luc Tirry -- Department of Plants and Crops					
11	I002426	Earth Sciences	5	1		A:2	150
		Marc Van Meirvenne -- Department of Environment					
12	I002427	Ecology	4	1		A:2	120
		Kathy Steppe -- Department of Plants and Crops					
13	I002428	Differential Equations	5	2		A:1	150
		Elena Torfs -- Department of Data Analysis and Mathematical Modelling					
14	I002429	Electricity, Magnetism and Sensors	5	2		A:1	150
		Toon Verstraelen -- Department of Physics and Astronomy					
15	I002430	Applied Zoology: Vertebrates	4	2		A:1	120
		Luc Tirry -- Department of Plants and Crops					
16	I002431	Applied Botany: Physiology	5	2		A:1	150
		Dirk Reheul -- Department of Plants and Crops					
17	I002432	Organic Chemistry: Structure	3	2		A:1	90
		Matthias D'hooghe -- Department of Green Chemistry and Technology					
18	I002433	Biochemistry	4	2		A:1	120
		Els Van Damme -- Department of Biotechnology					
19	I002434	Sustainable Development in Production and Consumption Systems	5	2		A:2	150
		Frank Nevens -- Department of Plants and Crops					
20	I002435	Probabilistic Models	5	2		A:2	150
		Bernard De Baets -- Department of Data Analysis and Mathematical Modelling					
21	I002436	Microbiology	5	2		A:2	150
		Wim Soetaert -- Department of Biotechnology					

Nr	Course		CRDT	Ref	MT1	Session	Study
22	I002437	Organic Chemistry: Reactivity Matthias D'hooghe -- Department of Green Chemistry and Technology	7	2		A:2	210
23	I002438	Fluid Mechanics Niko Verhoest -- Department of Environment	3	2		A:2	90
24	I002439	Environmental Sciences Marc Van Meirvenne -- Department of Environment	4	2		A:1	120
25	I002440	Data Science Jan Verwaeren -- Department of Data Analysis and Mathematical Modelling	5	2		A:2	150
26	I002441	Statistical Data Processing Stijn Luca -- Department of Data Analysis and Mathematical Modelling	4	3		A:1	120
27	I002442	Process Engineering Jo Dewulf -- Department of Green Chemistry and Technology	4	3		A:2	120
28	I002443	Heat and Mass Transport Jan Pieters -- Department of Plants and Crops	4	3		A:1	120
29	I002444	Chemical Analytical Techniques Kristof Demeestere -- Department of Green Chemistry and Technology	4	3		A:2	120
30	I002445	Modelling and Simulation of Biosystems David Fernandes del Pozo -- Department of Data Analysis and Mathematical Modelling	4	3		A:2	120
31	I002446	Economics Wim Verbeke -- Department of Agricultural Economics	4	3		A:1	120
32	I002447	Bachelor Thesis Niko Verhoest -- Department of Environment	6	3		A:J	180

2 Courses Related to the Main Subject — 30 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002455	Soil Properties and Soil Processes Stefaan De Neve -- Department of Environment	5	3		A:1	150
2	I002450	Remote Sensing Frieke Vancoillie -- Department of Environment	5	3		A:1	150
3	I002457	Vegetation Science Lander Baeten -- Department of Environment	3	3		A:1	90
4	I002458	Basics of Forest and Wood Science Kris Verheyen -- Department of Environment	6	3		A:J	180
5	I002751	Principles of Quantitative Water Management Niko Verhoest -- Department of Environment	3	3		A:2	90
6	I002414	Geographic Information Systems: Basics and Applications Frieke Vancoillie -- Department of Environment	5	3		A:2	150
7	I002461	Integrated Practicum Forest and Nature Kris Verheyen -- Department of Environment	3	3		A:2	90

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