Study Programme

Academic year 2020-2021

Global Campus South Korea,Faculty of Sciences,Faculty of Bioscience Engineering

Bachelor of Science in Environmental Technology

Campus: Incheon

Language of instruction: English

Programme version 7

	1 General Courses				124 credits	
Nr	**Course**	**CRDT**	**Ref**	**MT1**	**Session**	**Study**
1	O000132 English for Academic Studies 1	5	1		A:1	150
	Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
2	O000133 General Biology	5	1		B:2, A:1	150
	Hoo Sun Chung -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
3	O000078 Inorganic Chemistry 1: Structure of Matter	5	1		A:1	150
	Francis Verpoort -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
4	O000131 English for Academic Studies 2	5	1		B:1, A:2	150
	Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
5	O000087 Inorganic Chemistry 2: Reactivity of Matter	5	1		A:2	150
	Francis Verpoort -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
6	O000155 Introduction to Biochemistry: Biomolecules	5	1		B:1, A:2	150
	Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
7	O000095 Mathematics 1: Engineering Mathematics	10	1		A:J	300
	Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
8	O000134 Physics 1 and 2: Mechanics, Vibration, Waves and Thermodynamics	10	1		A:J	300
	Soebiakto Loekman -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
9	O000096 Informatics	10	1		A:J	300
	Wesley De Neve -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
10	O000082 Organic Chemistry 1: Structure and Reactivity	5	2		A:1	150
	Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
11	O000136 Chemical Analytical Methods	4	2		A:1	120
	Tanja Cirkovic Velickovic -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
12	O000137 Plant Biology	3	2		A:1	90
	Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics					
13	O000138 Animal Biology	3	2		A:1	75
	Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
14	O000156 Biochemistry: Metabolism	4	2		A:1	120
	Stefan Magez -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
15	O000083 Mathematics 2: Multivariable Calculus and Geometry	5	2		A:1	150
	Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
16	O000091 Physics 3: Electricity and Magnetism	5	2		A:1	150
	Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
17	O000157 Microbiology	4	2		A:2	120
	Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
18	O000092 Organic Chemistry 2: Advanced Reactivity	5	2		A:2	150
	Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
19	O000094 Physics 4: Optics and Physical and Chemical Thermodynamics	5	2		A:2	150
	Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
20	O000088 Mathematics 3: Differential Equations	5	2		A:2	150
	Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					

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21	O000158	Environmental Chemistry	4	2		A:2	120
		Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
22	O000159	Modern Aspects of Food	4	2		A:2	120
		Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
23	O000160	Molecular Biology: Concepts and Methods	4	2		A:2	120
		Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
24	O000161	Environmental Chemistry and Technology: Concepts and Methods	4	2			120

2 General Courses — 120 credits

The courses programmed in the 1st semester of the 4th bachelor's year are to be taken at the home campus of Ghent University

Nr	Course		CRDT	Ref	MT1	Session	Study
1	O000140	Process Engineering	5	3		A:1	150
		Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
2	O000141	Process Modelling and Control	5	3		A:1	150
		Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
3	O000100	Process Technology	5	3		A:1	150
		Frederik Ronsse -- Department of Green Chemistry and Technology					
4	O000142	Green Chemistry and Technology	5	3		A:1	150
		Francis Verpoort -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
5	O000102	Exhaust Gas Treatment	5	3		A:1	150
		Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
6	O000139	Probability and Statistics	10	3		A:J	250
		Arnout Van Messem -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
7	O000120	Company Visits and Scientific Seminars	10	3		A:J	250
		Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
8	O000024	Economics and Marketing	5	3		A:2	150
		Christine Yung Hung -- Department of Agricultural Economics					
9	O000110	Environmental Soil Science	5	3		A:2	150
		Filip Tack -- Department of Green Chemistry and Technology					
10	O000109	Water Treatment	5	3		A:2	150
		Korneel Rabaey -- Department of Biotechnology					
11	I002412	Case Studies and Company Visits	5	4		A:1	125
		Erik Meers -- Department of Green Chemistry and Technology					
12	I002537	Basic and Applied Freshwater Ecology	5	4		A:1	150
		Wout Van Echelpoel -- Department of Animal Sciences and Aquatic Ecology					
13	I002606	Environmental Risk Assessment	5	4		A:1	150
		Karel De Schamphelaere -- Department of Animal Sciences and Aquatic Ecology					
14	I002404	Soil Remediation	5	4		A:1	150
		Filip Tack -- Department of Green Chemistry and Technology					
15	I002700	Clean Technology	5	4		A:1	150
		Sophie Huysveld -- Department of Green Chemistry and Technology					
16	I001522	Environmental Constructions	5	4		A:1	135
		Eveline Volcke -- Department of Green Chemistry and Technology					
17	O000154	Research Methodology and Project	20	4		A:J	500
		Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology					
18	O000151	Project Management, Entrepreneurship and Intellectual Property	4	4		A:2	108
		Benedikt Sas -- Department of Food Technology, Safety and Health					
19	O000147	Renewable Resource Technology	3	4		A:2	90
		Korneel Rabaey -- Department of Biotechnology					
20	O000148	Environment Law and Management	3	4		A:2	90
		Stijn Speelman -- Department of Agricultural Economics					

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 2021-2022	f: annually, from 2022-2023	i: annually, from 2023-2024
b: tri-annually	d: bi-annually, from 2021-2022	g: bi-annually, from 2022-2023	j: bi-annually, from 2023-2024
	e: tri-annually, from 2021-2022	h: tri-annually, from 2022-2023	k: tri-annually, from 2023-2024