GHENT UNIVERSITY

Study Programme

Academic year 2020-2021

Global Campus South Korea Ghent University

Bachelor of Science in Environmental Technology (v7)

Language of instruction English

Valid as from the academic year 2020-2021

1 General Courses

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	English for Academic Studies 1	*Michael Dunne KR01*	5		1		1	60	150
2	General Biology	*Hoo Sun Chung KR01*	5		1		A:11, B:	60	150
3	Inorganic Chemistry 1: Structure of Matter	*Francis Verpoort KR01*	5		1		1	60	150
4	English for Academic Studies 2	*Michael Dunne KR01*	5		1		A:22, B:	60	150
5	Inorganic Chemistry 2: Reactivity of Matter	*Francis Verpoort KR01*	5		1		2	60	150
6	Introduction to Biochemistry: Biomolecules	*Sam Van Haute KR01*	5		1		A:22, B:	60	150
7	Mathematics 1: Engineering Mathematics	*Shodhan Rao KR01*	10		1		J	120	300
8	Physics 1 and 2: Mechanics, Vibration, Waves and Thermodynamics	*Surender Kumar KR01*	10		1		J	120	300
9	Informatics	*Wesley De Neve KR01*	10		1		J	120	300
10	Organic Chemistry 1: Structure and Reactivity	*Philippe Heynderickx KR01*	5		2		1	60	150
11	Chemical Analytical Methods	*Tanja Cirkovic Velickovic KR01*	4		2		1	60	120
12	Plant Biology	*Stephen Depuydt KR01*	3		2		1	30	90
13	Animal Biology	*Magdalena Radwanska KR01*	3		2		1	30	75
14	Biochemistry: Metabolism	*Stefan Magez KR01*	4		2		1	45	120
15	Mathematics 2: Multivariable Calculus and Geometry	*Shodhan Rao KR01*	5		2		1	60	150
16	Physics 3: Electricity and Magnetism	*Serge Zhuiykov KR01*	5		2		1	60	150
17	Microbiology	*Magdalena Radwanska WE14*	4		2		2	45	120
18	Organic Chemistry 2: Advanced Reactivity	*Philippe Heynderickx KR01*	5		2		2	60	150
19	Physics 4: Optics and Physical and Chemical Thermodynamics	*Serge Zhuiykov KR01*	5		2		2	60	150
20	Mathematics 3: Differential Equations	*Shodhan Rao KR01*	5		2		2	60	150
21	Environmental Chemistry	*Philippe Heynderickx LA07*	4		2		2	45	120
22	Modern Aspects of Food	*Sam Van Haute KR01*	4		2		2	45	120
23	Molecular Biology: Concepts and Methods	*Magdalena Radwanska WE14*	4		2		2	45	120
24	Environmental Chemistry and Technology: Concepts and Methods		4		2				120

2 General Courses

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

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Process Engineering	*Philippe Heynderickx KR01*	5		3		1	60	150
2	Process Modelling and Control	*Shodhan Rao KR01*	5		3		1	60	150
3	Process Technology	*Frederik Ronsse LA24*	5		3		1	45	150
4	Green Chemistry and Technology	*Francis Verpoort KR01*	5		3		1	60	150
5	Exhaust Gas Treatment	*Serge Zhuiykov KR01*	5		3		1	60	150
6	Probability and Statistics	*Arnout Van Messem KR01*	10		3		J	120	250
7	Company Visits and Scientific Seminars	*Michael Dunne KR01*	10		3		J	30	250
8	Economics and Marketing	*Yung Hung LA27*	5		3		2	60	150
9	Environmental Soil Science	*Filip Tack LA24*	5		3		2	60	150

10	Water Treatment	*Korneel Rabaey LA25*	5	3	2	50	150
11	Case Studies and Company Visits	*Erik Meers LA24*	5	4	1	40	125
12	Basic and Applied Freshwater Ecology	*Wout Van Echelpoel LA22*	5	4	1	50	150
13	Environmental Risk Assessment	*Karel De Schamphelaere LA22*	5	4	1	50	150
14	Soil Remediation	*Filip Tack LA24*	5	4	1	40	150
15	Clean Technology	*Sophie Huysveld LA24*	5	4	1	50	150
16	Environmental Constructions	*Eveline Volcke LA24*	5	4	1	60	135
17	Research Methodology and Project	*Michael Dunne KR01*	20	4	J	150	500
18	Project Management, Entrepreneurship and Intellectual Property	*Benedikt Sas LA23*	4	4	2	48	108
19	Renewable Resource Technology	*Korneel Rabaey LA25*	3	4	2	30	90
20	Environment Law and Management	*Stijn Speelman LA27*	3	4	2	30	90

Teaching languages

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