

Study Programme

Academic year 2020-2021

1 General Courses

1.1 Intake: BSc/MSc in Engineering

Subscribe to no more than 45 credit units from the following list. Subject to approval by the faculty. Depending on the student's previous degree.

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Biomechanics [en]	Charlotte Debbaut TW06	6		1	1	60	180	
2	Transport Phenomena	Tom De Mulder TW15	6		1	1	60	180	
3	Electrical Circuits and Networks	Kristiaan Neyts TW06	6		1	1	60	180	
4	Quantitative Cell and Tissue Analysis [en]	Andre Skirtach LA25	6		1	1	67.5	180	
5	From Genome to Organism [en]	Fransiska Malfait GE31	3		1	1	30	90	
6	Modelling of Physiological Systems [en]	Patrick Segers TW06	6		1	2	67.5	180	
7	Electronic Systems and Instrumentation for Biomedical Engineers	Jan Doutreloigne TW06	6		1	2	60	180	
8	Biomedical Polymers and Processing	Sandra Van Vlierberghe WE07	3		1	2	30	90	
9	Medical Signal Processing and Statistics [en]	Sarah Verhulst TW05	3		1	2	45	90	
10	Medical Physics [en]	Klaus Bacher GE38	6		1	2	65	180	

1.2 Intake: BSc/MSc Bioscience Engineering: Cell and Gene Biotechnology

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Biomechanics [en]	Charlotte Debbaut TW06	6		1	1	60	180	
2	Transport Phenomena	Tom De Mulder TW15	6		1	1	60	180	
3	Analysis of Systems and Signals	Gert De Cooman TW06	6		1	1	60	180	
4	Electrical Circuits and Networks	Kristiaan Neyts TW06	6		1	1	60	180	
5	Modelling of Physiological Systems [en]	Patrick Segers TW06	6		1	2	67.5	180	
6	Electronic Systems and Instrumentation for Biomedical Engineers	Jan Doutreloigne TW06	6		1	2	60	180	
7	Biomedical Polymers and Processing	Sandra Van Vlierberghe WE07	3		1	2	30	90	
8	Medical Signal Processing and Statistics [en]	Sarah Verhulst TW05	3		1	2	45	90	
9	Introduction to Numerical Mathematics	Marian Slodicka TW06	3		1	2	30	90	

1.3 Intake: BSc/MSc in Physics and Astronomy

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Quantitative Cell and Tissue Analysis [en]	Andre Skirtach LA25	6		1	1	67.5	180	
2	Biomechanics [en]	Charlotte Debbaut TW06	6		1	1	60	180	
3	Transport Phenomena	Tom De Mulder TW15	6		1	1	60	180	
4	Analysis of Systems and Signals	Gert De Cooman TW06	6		1	1	60	180	
5	Electrical Circuits and Networks	Kristiaan Neyts TW06	6		1	1	60	180	
6	From Genome to Organism [en]	Fransiska Malfait GE31	3		1	1	30	90	
7	Modelling of Physiological Systems [en]	Patrick Segers TW06	6		1	2	67.5	180	
8	Electronic Systems and Instrumentation for Biomedical Engineers	Jan Doutreloigne TW06	6		1	2	60	180	

9	Biomedical Polymers and Processing	Sandra Van Vlierberghe WE07	3	1	2	30	90
10	Organic Chemistry	Filip Du Prez WE07	6	1	2	60	180
11	Medical Signal Processing and Statistics [en]	Sarah Verhulst TW05	3	1	2	45	90

1.4 Intake: MSc Engineering Technology

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Quantitative Cell and Tissue Analysis [en]	Andre Skirtach LA25	6		1	1	67.5	180	
2	Biomechanics [en]	Charlotte Debbaut TW06	6		1	1	60	180	
3	From Genome to Organism [en]	Fransiska Malfait GE31	3		1	1	30	90	
4	Mathematic Models	Denis Constaes TW06	6		1	1	60	180	
5	Electronic Systems and Instrumentation for Biomedical Engineers	Jan Doutreloigne TW06	6		1	2	60	180	
6	Biomedical Polymers and Processing	Sandra Van Vlierberghe WE07	3		1	2	30	90	
7	Medical Physics [en]	Klaus Bacher GE38	6		1	2	65	180	
8	Medical Signal Processing and Statistics [en]	Sarah Verhulst TW05	3		1	2	45	90	
9	Modelling of Physiological Systems [en]	Patrick Segers TW06	6		1	2	67.5	180	
10	Introduction to Numerical Mathematics	Marian Slodicka TW06	3		1	2	30	90	

1.5 Intake: MSc Biochemical Engineering Technology

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Transport Phenomena	Tom De Mulder TW15	6		1	1	60	180	
2	Analysis of Systems and Signals	Gert De Cooman TW06	6		1	1	60	180	
3	Electrical Circuits and Networks	Kristiaan Neyts TW06	6		1	1	60	180	
4	Mathematic Models	Denis Constaes TW06	6		1	1	60	180	
5	Mechanics of Materials	Wim Van Paepegem TW11	6		1	1	60	180	
6	Electronic Systems and Instrumentation for Biomedical Engineers	Jan Doutreloigne TW06	6		1	2	60	180	
7	Biomedical Polymers and Processing	Sandra Van Vlierberghe WE07	3		1	2	30	90	
8	Medical Physics [en]	Klaus Bacher GE38	6		1	2	65	180	
9	Medical Signal Processing and Statistics [en]	Sarah Verhulst TW05	3		1	2	45	90	
10	Modelling of Physiological Systems [en]	Patrick Segers TW06	6		1	2	67.5	180	
11	Introduction to Numerical Mathematics	Marian Slodicka TW06	3		1	2	30	90	
12	Biomechanics [en]	Charlotte Debbaut TW06	6		2	1	60	180	

1.6 Intake: BSc/MSc degrees in the field of study of Biomedical Sciences and Medicine

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Informatics	Bart Dhoedt TW05	6		1	J	70	180	
2	Transport Phenomena	Tom De Mulder TW15	6		1	1	60	180	
3	Mathematical Analysis III: Applications of Analysis and Vector Analysis	Hendrik De Bie TW06	6		1	1	60	180	
4	Physics II	Christophe Leys TW17	6		1	1	60	180	
5	Electrical Circuits and Networks	Kristiaan Neyts TW06	6		1	1	60	180	
6	Mechanics of Materials	Wim Van Paepegem TW11	6		2	1	60	180	
7	Analysis of Systems and Signals	Gert De Cooman TW06	6		2	1	60	180	
8	Electromagnetism I	Dries Vande Ginste TW05	6		2	1	60	180	
9	Biomechanics [en]	Charlotte Debbaut TW06	6		2	1	60	180	
10	Modelling and Control of Dynamic Systems	Mia Loccuffer TW08	6		1	2	60	180	
11	Electronic Systems and Instrumentation for Biomedical Engineers	Jan Doutreloigne TW06	6		1	2	60	180	
12	Biomedical Polymers and Processing	Sandra Van Vlierberghe WE07	3		1	2	30	90	
13	Medical Physics [en]	Klaus Bacher GE38	6		1	2	65	180	

14	Medical Signal Processing and Statistics [en]	<i>Sarah Verhulst TW05</i>	3	1	2	45	90
15	Introduction to Numerical Mathematics	<i>Marian Slodicka TW06</i>	3	1	2	30	90
16	Modelling of Physiological Systems	<i>Patrick Segers TW06</i>	6	1		67.5	180

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 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 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