

1 General Courses

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Fracture and Deformation Behaviour of Materials	Leo Kestens TW08	6		1	1	1	60	180
2	Structure and Dynamics of Polymers	Karen De Clerck TW11	6		1	1	1	60	180
3	Polymer Processing	Dagmar D'hooge TW11	6		1	1	2	60	180
4	Micro-analysis and Structure Determination in Materials Science	Roumen Petrov TW08	6		1	1	1	60	180
5	Materials Science Thermodynamics	Iris De Graeve TW11	6		1	2	1	60	180
6	Composites	Wim Van Paepegem TW11	6		2	3	1	60	180

2 Elective Courses

Subscribe to 1 major from the following list. Subject to approval by the faculty.

2.1 Major Metal Science and Engineering

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Microstructure-Property Control of Metals [en]	Roumen Petrov TW08	6		1	1	2	60	180
2	Metal Processing and Technology [en]	Roumen Petrov TW08	6		1	2	1	60	180
3	Metal Extraction and Recycling [en]	Stephanie Vervynckt TW11	3		1	2	2	30	90
4	Physical Materials Science [en]	Leo Kestens TW08	6		1	2	2	60	180
5	Corrosion and Surface Technology [en]	Kim Verbeken TW11	6		1	2	2	60	180
6	Superconducting Materials [en]	Isabel Van Driessche WE06	3		2	2	1	15	75
7	Computational Materials Physics [en]	Stefaan Cottenier TW08	6		2	3	1	60	180
8	Microstructural Material Models [en]	Leo Kestens TW08	6		2	3	2	60	180

2.2 Major Polymeren en vezelstructuren (Dutch programme)

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Fibre Materials	Paul Kiekens TW11	6		1	2	1	60	180
2	Process Technology in Textiles	Lieva Van Langenhove TW11	6		1	2	2	60	180
3	Chemical and Physical Textile Technology	Paul Kiekens TW11	6		1	2	2	67.5	180
4	Colour and its Applications in Textiles	Karen De Clerck TW11	6		1	3	2	60	180
5	Analysis of Products and Processes	Lieva Van Langenhove TW11	6		2	3	1	60	180
6	Functional Textile Materials	Lieva Van Langenhove TW11	6		2	3	2	60	180

3 Elective Courses

Subscribe to no less than 18 and no more than 24 credit units from 1 path from the following list, consistent with the chosen major. Subject to approval by the faculty.

Students who choose the major "Metal Science and Engineering" subscribe to 18 credit units, divided as:

- 3 credit units in year 1,
- 15 credit units in year 2.

Students who choose the major "Major Polymers and Fibre Structures" subscribe to 24 credit units, divided as:

- 6 credit units in year 1,
- 18 credit units in year 2.

3.1 Metal Science and Engineering

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Quantum Mechanics I	<i>Dimitri Van Neck WE05</i>	6				2	52.5	180
2	Quantum Mechanics II	<i>Veronique Van Speybroeck TW17</i>	6				1	60	180
3	Analysis of Products and Processes	<i>Lieva Van Langenhove TW11</i>	6				1	60	180

3.2 Polymers and Fibre Structures

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Quantum Mechanics I	<i>Dimitri Van Neck WE05</i>	6				2	52.5	180
2	Quantum Mechanics II	<i>Veronique Van Speybroeck TW17</i>	6				1	60	180
3	Computational Materials Physics	<i>Stefaan Cottenier TW08</i>	6				1	60	180
4	Physical Materials Science	<i>Leo Kestens TW08</i>	6				2	60	180

4 Master's Dissertation

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Master's Dissertation		24		2	4	J	60	720

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 2019-2020	f: annually, from 2020-2021	i: annually, from 2021-2022
b: tri-annually	d: bi-annually, from 2019-2020	g: bi-annually, from 2020-2021	j: bi-annually, from 2021-2022
	e: tri-annually, from 2019-2020	h: tri-annually, from 2020-2021	k: tri-annually, from 2021-2022