Study Programme

Academic year 2021-2022

Faculty of Sciences
Exchange Programme in Chemistry (master's level)

Language of instruction: English

Programme version 5

1 General Courses

The exchange programme contains a preferred list of English courses taught at UGent of the Master of Science in Chemistry. If you want to choose another course of the main programme, please contact the departmental Erasmus coordinator.

Tips for completing your Learning Agreement:
- Please check the departmental rules for incoming students.
- A minimum of 20 ECTS credits per semester is required, of which 15 from the chemistry programme.
- Up to 25% of the courses can be taken from a different programme.
- Research projects are possible provided some criteria are met. Each research project must be worth a minimum of 15 ECTS credits. We strictly require that a research promotor (professor) has been found well ahead of your arrival and that a subject has been identified. Under no circumstances can research projects still be arranged after arrival. Every research project will be appropriately defended and marked in a (semi) public defense.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004125	Advanced Organic Chemistry	6			A:1	180
		Annemieke Madder -- Department of Organic Chemistry					
2	C004126	Advanced Macromolecular Chemistry	6			A:1	180
		Filip Du Prez -- Department of Organic Chemistry					
3	C004127	Molecular Structure Analysis	6			A:1	150
		José Martins -- Department of Organic Chemistry					
4	C004128	Molecular Physical Chemistry	6			A:1	180
		Zeger Hens -- Department of Chemistry					
5	C004129	Integrated Problems in Organic and Polymer Chemistry	6			A:1	180
		Johan Winne -- Department of Organic Chemistry					
6	C004130	Foundations of NMR and XRD for Structure Analysis	4			A:2	120
		José Martins -- Department of Organic Chemistry					
7	C004131	Organic Separation Techniques and Mass Spectrometry	4			A:2	120
		Frederic Lynen -- Department of Organic Chemistry					
8	C004135	Chemical Biology	4			A:2	120
		Simon Devos -- Department of Biochemistry, Physiology and Microbiology					
9	C004136	Asymmetric and Bioorganic Chemistry	4			(A:2)[d]	120
		Johan Van der Eycken -- Department of Organic Chemistry					
10	C004137	Synthetic Methods and Strategies	4			A:2	105
		Johan Winne -- Department of Organic Chemistry					
11	C004138	Homogeneous Catalysis	4			A:2	100
		Catherine Cazin -- Department of Chemistry					
12	C004139	Polymer Materials: Biomedical and Sustainable Aspects	4			A:2	100
		Peter Dubruel -- Department of Organic Chemistry					
13	C004140	Nanomaterials Chemistry	6			A:1	180
		Pascal Van Der Voort -- Department of Chemistry					
14	C004141	Materials Physics	6			A:1	180
		Zeger Hens -- Department of Chemistry					
15	C004142	Surface Topology, Internal Structure and Composition	6			A:1	180
		Mieke Adriaens -- Department of Chemistry					
16	C004143	Integrated Problems in Materials and Nanochemistry	6			A:1	180
		Klaartje De Buysser -- Department of Chemistry					
17	C004144	Topics in Nanoscience	4			A:2	120
		Pieter Geiregat -- Department of Chemistry					

18	C004145	Functional Ceramics	4		A:2	110
		Klaartje De Buysser -- Department of Chemistry				
19	C004146	The f-Elements	4		A:2	100
		Rik Van Deun -- Department of Chemistry				
20	C004147	Advanced Quantum Chemistry	4		A:2	115
		Patrick Bultinck -- Department of Chemistry				
21	C004148	Computational Quantum Chemistry	8		A:2	210
		Patrick Bultinck -- Department of Chemistry				
22	C004149	Light and Matter	4		A:2	120
		Pieter Geiregat -- Department of Chemistry				
23	C004150	Bioinorganic Chemistry	4		A:2	120
		Kristof Van Hecke -- Department of Chemistry				
24	C004151	Heterogeneous Catalysis	4		A:2	120
		Pascal Van Der Voort -- Department of Chemistry				
25	C004152	Structure Analysis by X-ray Diffraction	4		A:2	120
		Klaartje De Buysser -- Department of Chemistry				
26	C004153	Chemometrics	3		A:1	85
		Laszlo Vincze -- Department of Chemistry				
27	C004154	Applications in Analytical and Environmental Sciences	6		A:1	170
		Anna Kaczmarek -- Department of Chemistry				
28	C004155	Analytical Methods for Material Characterization	9		A:1	270
		Mieke Adriaens -- Department of Chemistry				
29	C004157	Principle and Applications of Stable Isotope Analysis	3		A:2	90
		Frank Vanhaecke -- Department of Chemistry				
30	C004159	Advanced X-ray Spectroscopy	3		A:2	90
		Laszlo Vincze -- Department of Chemistry				
31	C004160	Analytical Raman Spectroscopy	3		A:2	75
		Anastasia Rousaki -- Department of Chemistry				
32	C004169	Advanced Topics in Chemistry	3		A:1	90
		Klaartje De Buysser -- Department of Chemistry				
33	C003242	Research Project	0		A:1, C:J, B:2	0

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