GHENT UNIVERSITY

Study Programme

Academic year 2021-2022

Faculty of Medicine and Health Sciences

Preparatory Course Master of Science in Biomedical Sciences

Language of instruction: Dutch

Programme version 2

1 General Courses — 22 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	D013082	Advanced Chemical Analysis, Imaging and Image Processing *Jolanda van Hengel -- Department of Human Structure and Repair*	3			A:1	90
2	D013081	Fundamental and Applied Biomedical Protein Research *Kris Gevaert -- Department of Biomolecular Medicine*	5			A:1	150
3	D000649	Epidemiology *Delphine De Smedt -- Department of Public Health and Primary Care*	3			A:1	90
4	D013077	Human Molecular Genetics *Elfride De Baere -- Department of Biomolecular Medicine*	6			A:2	180
5	D013088	Human Pathogenesis *Fritz Offner -- Department of Internal Medicine and Pediatrics*	5			A:2	150

2 Elective Courses — 127 credits

2.1 Specific Courses for Bachelors of Bioscience Engineering — 37 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	D013076	Structure and Development of the Human Body I *Dmitri Krysko -- Department of Human Structure and Repair*	5			A:1	150
2	D012689	Bio-informatics *Lennart Martens -- Department of Biomolecular Medicine*	3		1	A:2	90
3	D013085	Immunology *Tom Taghon -- Department of Diagnostic Sciences*	5			A:1	150
4	D013072	Cells and Tissues *Anne Vral -- Department of Human Structure and Repair*	7			A:2	210
5	D013092	Physiology of the Organ Systems *Alain Labro -- Department off Basic and Applied Medical Sciences*	7			A:2	210
6	D013086	Molecular Developmental Biology *Kris Vleminckx -- Department of Molecular Biology*	4			A:2	120
7	D013087	Gene and Cell Technology *Jan Gettemans -- Department of Biomolecular Medicine*	6			A:2	180

2.2 Specific Courses for Bachelors of Biochemistry and Biotechnology — 23 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	D013076	Structure and Development of the Human Body I *Dmitri Krysko -- Department of Human Structure and Repair*	5			A:1	150
2	D013078	Histology of Human Body Systems *Anne Vral -- Department of Human Structure and Repair*	6			A:2	180
3	D013092	Physiology of the Organ Systems *Alain Labro -- Department off Basic and Applied Medical Sciences*	7			A:2	210
4	D013079	Structure and Development of the Human Body II *Dmitri Krysko -- Department of Human Structure and Repair*	5			A:2	150

2.3 Specific Courses for Bachelors of Veterinary Medicine — 27 credits

Nr	Course		CRDT	Ref	MT1	Session	Study

1	D013083	Molecular Cell Biology *Frank Peelman -- Department of Biomolecular Medicine*	5			A:1	150
2	D013084	Metabolism *Lennart Martens -- Department of Biomolecular Medicine*	5			A:1	150
3	D012689	Bio-informatics *Lennart Martens -- Department of Biomolecular Medicine*	3		1	A:2	90
4	D013086	Molecular Developmental Biology *Kris Vleminckx -- Department of Molecular Biology*	4			A:2	120
5	D013087	Gene and Cell Technology *Jan Gettemans -- Department of Biomolecular Medicine*	6			A:2	180
6	D013089	Literature Review Biomedical Research II *Jolanda van Hengel -- Department of Human Structure and Repair*	4			A:J	120

2.4 Specific Courses for Bachelors of Medicine 40 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	D001304	Selected Topics General and Organic Chemistry *Peter Dubruel -- Department of Organic Chemistry*	5		1	A:1	150
2	D002210	Selected Topics Data Analysis I *Chris Cornelis -- Department of Mathematics, Computer Science and Statistics*	3		1	A:1	90
3	D002147	Selected Topics Physics *Ans Baeyens -- Department of Human Structure and Repair*	5		1	A:1	150
4	D013083	Molecular Cell Biology *Frank Peelman -- Department of Biomolecular Medicine*	5			A:1	150
5	D000129	Biological Model Systems *Jolanda van Hengel -- Department of Human Structure and Repair*	3			A:1	75
6	D013080	Chemical and Biomedical Analysis *Peter Van Eenoo -- Department of Diagnostic Sciences*	6			A:2	180
7	D012689	Bio-informatics *Lennart Martens -- Department of Biomolecular Medicine*	3		1	A:2	90
8	D013086	Molecular Developmental Biology *Kris Vleminckx -- Department of Molecular Biology*	4			A:2	120
9	D013087	Gene and Cell Technology *Jan Gettemans -- Department of Biomolecular Medicine*	6			A:2	180

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