

Study Programme

Academic year 2025-2026

Faculty of Medicine and Health Sciences
Master of Science in Biomedical Sciences

Language of instruction: English

Programme version 6

1	General	Courses				27	credits
٧r	Course		CRDT	Ref	MT1	Session	Study
1	D013626	Laboratory Quality Management and Assurance Peter Van Eenoo Department of Diagnostic Sciences	3		1	A:1	75
2	D012176	Bio-Ethics in Experimental Medicine Katya De Groote Department of Internal Medicine and Pediatrics	3		1	A:1	75
3	A003107	Advanced Academic English Geert Jacobs Department of Linguistics	3	UKV	1	A:1	90
1	D012528	Cell and Gene Therapy Bart Vandekerckhove Department of Diagnostic Sciences	4		1	A:1	120
5	D013628	Large Scale Analysis of Biomedical Data Katleen De Preter Department of Biomolecular Medicine	4		1	A:1	100
6	D012527	Good Clinical Practice - Clinical studies Sylvie Rottey Department off Basic and Applied Medical Sciences	3		1	A:2	90
7	D013627	Research Proposal Biomedical Sciences Philip Meuleman Department of Diagnostic Sciences	4		1	A:2	120
8	D012514	Medical Seminars Tania Maes Department of Internal Medicine and Pediatrics	3		2	A:J	75
	Majors					26	credits
2	Majors	Nutrition and Metabolism					
2 2.1	1 Major N	Nutrition and Metabolism	CRDT	Dof	MT1	26	credits
2 2.1			CRDT 5	Ref	MT1 1		
2 2.1 Nr 1	Major N Course D012497	Methodology of Nutritional Research		Ref		26 Session	credits Study
2 2.1 Vr 1	1 Major N Course D012497 D012498	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology	5	Ref	1	26 Session A:1	Study 150
2 2.1 Vr 1 2	Ourse D012497 D012498 D012496	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics Method and Device Validation	5 6	Ref	1	26 Session A:1 A:2	Study 150
2.1 Nr 1 2 3	Course D012497 D012498 D012496 D012504	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences Public Health Nutrition	5 6 3	Ref	1 1 1	Session A:1 A:2 A:2	Study 150 180 75
2 2.1 Nr 1 2 3 4	Course D012497 D012498 D012496 D012504 D012495	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care Medical Laboratory Diagnostics	5 6 3 3	Ref	1 1 1	26 Session A:1 A:2 A:2 A:2	Study 150 180 75 90
2 2.1 Nr 1 2 3 4 5	D012496 D012495 D01877	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences Food Microbiology and Food Preservation	5 6 3 3	Ref	1 1 1 1	26 Session A:1 A:2 A:2 A:2 A:2 A:1	Study 150 180 75 90
2.1 Nr 1 2 3 4 5 6	D012496 D012495 D01877	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences Food Microbiology and Food Preservation Andreja Rajkovic Department of Food Technology, Safety and Health	5 6 3 3	Ref	1 1 1 1	26 Session A:1 A:2 A:2 A:2 A:2 A:1	Study 150 180 75 90 90
2.1 2.1 1 1 2 3 4 5 6	1 Major N Course D012497 D012498 D012496 D012504 D012495 D001877	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences Food Microbiology and Food Preservation Andreja Rajkovic Department of Food Technology, Safety and Health	5 6 3 3 3 6		1 1 1 1 1 2	26 Session A:1 A:2 A:2 A:2 A:2 A:1	Study 150 180 75 90 180 180 6 credits
2.1 Nr 1 2 3 4 5 6	Course D012497 D012498 D012496 D012504 D012495 D001877 2 Major N	Methodology of Nutritional Research Bruno Lapauw Department of Internal Medicine and Pediatrics Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences Food Microbiology and Food Preservation Andreja Rajkovic Department of Food Technology, Safety and Health	5 6 3 3 3 6		1 1 1 1 2	26 Session A:1 A:2 A:2 A:2 A:1 26 Session	Study 150 180 75 90 180 180 Scredits Study

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4	D012512	Neurogenetics Bart Dermaut Department of Biomolecular Medicine	5	1	A:2	150
5	D012510	Clinical Neurology Kristl Vonck Department of Head and Skin	6	2	A:1, B:2	150
2.3	3 Major ⁻	Tissue Engineering and Regenerative Medicine			26	credits
Nr	Course		CRDT Re	ef MT1	Session	Study
1	D012548	Degeneration and Senescence Mathieu Bertrand Department of Molecular Biology	5	1	A:1	150
2	D012549	Stem Cell Biology and Reprogramming BJORN HEINDRYCKX Department of Human Structure and Repair	4	1	A:2	120
3	D012550	Clinical and Experimental Embryology BJORN HEINDRYCKX Department of Human Structure and Repair	3	1	A:2	90
4	D012551	Biomaterials and Biocompatibility Ruslan Dmitriev Department of Human Structure and Repair	8	1	A:2	240
5	D001923	Tissue Engineering Ruslan Dmitriev Department of Human Structure and Repair	6	2	A:1	180
2.4	4 Major F	Radiation Sciences			26	credits
Nr	Course		CRDT Re	ef MT1	Session	Study
1	D012508	Radiation Dosimetry and Radioprotection Klaus Bacher Department of Human Structure and Repair	5	1	A:1	150
2	D012506	Radiochemistry and Radiopharmaceuticals Filip De Vos Department of Pharmaceutical Analysis	4	1	A:2	120
3	D012507	Radiotherapy: Technology and Patient Dosimetry Werner De Gersem Department of Human Structure and Repair	6	1	A:2	150
4	D012505	Medical Imaging Klaus Bacher Department of Human Structure and Repair	5	1	A:2	150
5	D012563	Radiobiology and Radiopathology Ans Baeyens Department of Human Structure and Repair	6	2	A:1	180
2.	5 Major l	Medical Genetics			26	credits
Nr	Course		CRDT Re	ef MT1	Session	Study
1	D012701	Advanced Human Genetics Sofie Symoens Department of Biomolecular Medicine	6	1	A:2	180
2	D012490	Cancer Genetics Kaat Durinck Department of Biomolecular Medicine	5	1	A:2	150
3	D012547	Massively Parallel Sequencing Data-analysis Pieter Mestdagh Department of Biomolecular Medicine	3	1	A:2	75
4	D000652	Developmental Genetics and Gene Regulation Elfride De Baere Department of Biomolecular Medicine	6	1	A:1	180
5	D000852	Genetical Diagnostics Kathleen Claes Department of Biomolecular Medicine	6	2	A:1	180
2.6	6 Major I	mmunity and Infection			26	credits
Nr	Course		CRDT Re	ef MT1	Session	Study
1	D012529	Immunopathology Hamida Hammad Department of Internal Medicine and Pediatrics	5	1	A:1	150
2	D012531	Molecular Immunology Tom Taghon Department of Diagnostic Sciences	5	1	A:2	150
3	D012533	Molecular Virology Philip Meuleman Department of Diagnostic Sciences	5	1	A:2	150
4	D012530	Molecular Bacteriology Piet Cools Department of Diagnostic Sciences	5	1	A:2	150
5	D013094	Vaccinology Isabel Leroux-Roels Department of Diagnostic Sciences	6	2	A:1	180
2.	7 Major S	Systems Biology			26	credits
Nr	Course		CRDT Re	ef MT1	Session	Study

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1	D012555	Genomics, Proteomics and Metabolomics Kris Gevaert Department of Biomolecular Medicine	6	1	A:1	180
2	D012702	Advanced Imaging and Image Analysis Marleen Van Troys Department of Biomolecular Medicine	5	1	A:2	150
3	D012554	Machine Learning Methods for Biomedical Data Sven Degroeve Department of Biomolecular Medicine	5	1	A:2	150
4	D012539	Protein Interaction Networks and Medical Applications Sven Eyckerman Department of Biomolecular Medicine	4	1	A:2	120
5	D012184	Systems Biology Tine Claeys Department of Biomolecular Medicine	6	2	A:1	150

2.8 Major Cancer 26 credits

Nr	Course		CRDT	Ref MT1	Session	Study
1	D012491	Proliferation and Survival Panagiotis Ntziachristos Department of Biomolecular Medicine	5	1	A:1	150
2	D012492	Communication and Metastasis Olivier De Wever Department of Human Structure and Repair	5	1	A:2	150
3	D012493	Clinical Aspects of Cancer Wim Ceelen Department of Human Structure and Repair	5	1	A:2	150
4	D012490	Cancer Genetics Kaat Durinck Department of Biomolecular Medicine	5	1	A:2	150
5	D012494	Precision Medicine in Cancer Karim Vermaelen Department of Internal Medicine and Pediatrics	6	2	A:1	180

3 Elective Courses

Subscribe to 31 credit units from no less than 2 and no more than 7 modules from the following list. Subject to approval by the faculty. Recommended: Students take 8 to 12 ECTS in the first master's year and 19 to 23 ECTS in the second year.

3.1 Elective Course List First Master's Year

Nr	Course		CRDT	Ref	MT1	Session	Study
1	D013531	Innovation Management Jan Demolder Department of Biomolecular Medicine	5		1	A:2	150
2	D012577	Pharmacology [nl] Lindsey Devisscher Department off Basic and Applied Medical Sciences	7		1	A:2	210
3	D013530	Laboratory Animal Science Katleen Hermans Department of Pathobiology, Pharmacology and Zoological Medicine	6		1	A:1	180
4	H002476	Powerful Learning Environments [nl] Bram De Wever Department of Educational Studies	6		1	A:1	180
5	C004114	Mathematics: Advanced Techniques [nl] Marnix Van Daele Department of Mathematics, Computer Science and Statistics	6		1	A:2	180
6	C004223	Nuclear Physics Natalie Jachowicz Department of Physics and Astronomy	4		1	A:2	120
7	A005503	Context and Nuance. A Critical Reflection on Current Topics [nl] July De Wilde Department of Translation, Interpreting and Communication	6	UKV	1	A:1	180
8	D013207	Economic Perspectives on Health Nick Verhaeghe Department of Public Health and Primary Care	3		1	A:1	90
9	J000454	Cutting Edge Technologies for Drug Delivery - Nanomedicines Stefaan De Smedt Department of Pharmaceutics	3		1	A:2	90

3.2 Biomedical Researcher in Industry and Management

Nr	Course		CRDT	Ref	MT1	Session	Study
1	D012577	Pharmacology [nl] Lindsey Devisscher Department off Basic and Applied Medical Sciences	7		2	A:2	210
2	J000445	Regulatory Affairs Health Products Evelien Wynendaele Department of Pharmaceutical Analysis	3		2	A:J	90
3	E092930	Translational Neuroscience Christian Vanhove Department of Electronics and Information Systems	3		2	A:2	90
4	C002681	Advanced Programming in Bioinformatics Pieter De Bleser Department of Molecular Biology	3		2		80

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Microsophic Management Microsophic Management Microsophic Management	A:1 1	110
Markin Variance - Department of Existence Individuals (mil) 3 2 A A	\:1 9	90
DO13530 Laboratory Animal Science Analysis	A:2 1	180
Active Hermans - Department of Psituhology, Pharmacology and Zeological Medicine S	\:2	90
11 Journal J	A:1 1	180
Sarah De Saeger Department of Bio-snahysis 3	A:2 1	150
3.3 Biomedical Researcher in a Changing Society Nr Course 1 E092930 Translational Neuroscience Circistian Valence - Department of Electronics and Information Systems 2 H002000 Modelling of Cognitive Processes 5 Tom Verguits - Department of Electronics and Information Systems 3 H001992 Neurobiology of Affective Disorders Gilles Pourtois - Department of Experimental Psychology 4 Neurobiology of Affective Disorders Gilles Pourtois - Department of Experimental Clinical and Health Psychology 4 Neurobiology of Affective Disorders Gilles Pourtois - Department of Experimental Clinical and Health Psychology 5 Neurobiology of Affective Disorders Gilles Pourtois - Department of Experimental Clinical and Health Psychology 6 Neurobiology of Affective Disorders 5 Neurobiology (mil) Lize Verbeke - Department of Dispossite Sciences 7 Neurobiology (mil) Lize Verbeke - Department of Developmental, Personality and Social Psychology 6 H001977 Coaching and Diversity [mil] Lize Verbeke - Department of Developmental, Personality and Social Psychology 7 Neurobiology (mil) Lize Verbeke - Department of Insulation, Interpreting and Communication 8 K001382 Strategic Communication 8 K001382 Strategic Communication 9 Neurobiology (mil) Lixer Audencert - Department of Communication Sciences 9 H001010 Introduction Industrial Psychology [mil) But Wille - Department of Head and Skin 10 B001497 Forensic Psychology [mil) Lixer Audencert - Department of Head and Skin 11 B001637 Drug Phenomena [mil) Lixer Science Neuropsychology [mil) Will Riss - Department of Experimental Psychology 3.4 Biomedical Exploration: Major Courses 10 D012498 Human Nutrition Science and Pathology XWIER VERWELST - Department of Head and Skin Policy Pathology Lixer Researcher of Experimental Psychology 1 D012496 Method and Device Validation Carolies Benry - Department of Dispositic Sciences 3 D012504 Public Health Nutrition Stefan De Homony - Department of Public Health and Primary Care 4 D012497 Methodology of Nutritional Research 5 D012497 Methodology of Nutritional Rese	A:1 9	90
No Course	A:2 9	90
E092930 Translational Neuroscience 3 2 A		
Christian Vanhove Department of Electronics and Information Systems 1 H002000 Modelling of Cognitive Processes	ssion St	tudy
Tom Verguts - Department of Experimental Psychology	A:2 9	90
Boundary - Department of Experimental Clinical and Health Psychology A Boundary - Department of Diagnostic Sciences A 2 A	A:1 1:	150
Evy De Boosere Department of Diagnostic Sciences 5 B001499 Forensic Psychology [n] Lize Verbeke Department of Developmental, Personality and Social Psychology 6 H001977 Coaching and Diversity [n] Elisabeth De Schauwer Department of Special Education 7 A005503 Context and Nuance. A Critical Reflection on Current Topics [n] 6 UKV 2 A July De Wilde Department of Translation, Interpreting and Communication 8 K001382 Strategic Communication Veroline Caubergine Department of Communication Sciences 9 H001010 Introduction Industrial Psychology [n] Bart Wille Department of Developmental, Personality and Social Psychology 10 B001497 Forensic Psychiatry [n] Kurt Audenaert Department of Head and Skin 11 B001637 Drug Phenomena [ni] Louis Favril Department of Criminology, Criminal Law and Social Law 12 H002429 Neuropsychology [ni] Wim Flas Department of Experimental Psychology 3.4 Biomedical Exploration: Major Courses No Course No CRDT Ref MT1 Sex Walver VERHELST Department of Internal Medicine and Pediatrics 2 D012498 Method and Device Validation Caroline Bonroy Department of Internal Medicine and Pediatrics 3 D012504 Public Health Nutrition Sicelas De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 D012497 Methodology of Nutritional Research	A:1 1	120
Lize Verbeke Department of Developmental, Personality and Social Psychology 6 H001977 Coaching and Diversity [n1] 3 UKV 2 A Elisabeth De Schauwer Department of Special Education 7 A005503 Context and Nuance. A Critical Reflection on Current Topics [n1] 6 UKV 2 A July De Wilde Department of Translation, Interpreting and Communication 8 K001382 Strategic Communication Veroline Cauberghe Department of Communication Sciences 9 H001010 Introduction Industrial Psychology [n1] 5 2 C Bart Wille Department of Developmental, Personality and Social Psychology 10 B001497 Forensic Psychiatry [n1] 4 2 B Kurt Audenaert Department of Head and Skin 11 B001637 Drug Phenomena [n1] 5 2 A Louis Favril Department of Criminology, Criminal Law and Social Law 12 H002429 Neuropsychology [n1] 5 2 A Wilm Fias Department of Experimental Psychology 3.4 Biomedical Exploration: Major Courses Nr Course 1 D012498 Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics 2 D012496 Method and Device Validation Caroline Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 A	A:2 1	120
Elisabeth De Schauwer Department of Special Education 7 A005503 Context and Nuance. A Critical Reflection on Current Topics [nl] 6 UKV 2 A July De Wilde Department of Translation, Interpreting and Communication 8 K001382 Strategic Communication Veroline Cauberghe Department of Communication Sciences 9 H001010 Introduction Industrial Psychology [nl] 5 2 C Bart Wille Department of Developmental, Personality and Social Psychology 10 B001497 Forensic Psychiatry [nl] 4 2 E Kurt Audenaert Department of Head and Skin 11 B001637 Drug Phenomena [nl] 5 2 A Louis Favril Department of Experimental Psychology 12 H002429 Neuropsychology [nl] 5 2 A Will Fast Department of Experimental Psychology 3.4 Biomedical Exploration: Major Courses Nr Course CRDT Ref MT1 Ses 1 D012498 Human Nutrition Science and Pathology AMPER VERHELST Department of Diagnostic Sciences 3 D012496 Method and Device Validation Carollen Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5	A:2 1	120
Strategic Communication Strategic Commun	\:J 9	90
Veroline Cauberghe Department of Communication Sciences Public Health Nutrition Sciences Public Health Nutrition Stefaan De Henauw Department of Diagnostic Sciences Public Health and Primary Care Posses Public Health and Posses Public Health Autition Public Health and Posses Public Health and Posses Public Health Autition P	A:1 1	180
Bart Wille Department of Developmental, Personality and Social Psychology 10 B001497 Forensic Psychiatry [n1]	1	150
Kurt Audenaert Department of Head and Skin 11 B001637 Drug Phenomena [nl] Louis Favril Department of Criminology, Criminal Law and Social Law 12 H002429 Neuropsychology [nl] Wim Fias Department of Experimental Psychology 3.4 Biomedical Exploration: Major Courses Nr Course CRDT Ref MT1 Ses 1 D012498 Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics 2 D012496 Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 A	D:1 1	150
Louis Favril Department of Criminology, Criminal Law and Social Law 12 H002429 Neuropsychology [nl] 5 2 A Wim Fias Department of Experimental Psychology 3.4 Biomedical Exploration: Major Courses Nr Course CRDT Ref MT1 Ses 1 D012498 Human Nutrition Science and Pathology 6 A XAVIER VERHELST Department of Internal Medicine and Pediatrics 2 D012496 Method and Device Validation 3 A Carolien Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5	3:1 1:	120
3.4 Biomedical Exploration: Major Courses Nr Course 1 D012498 Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics 2 D012496 Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 A	A:1 1	150
Nr Course 1 D012498 Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics 2 D012496 Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 A	A:2 1	150
1 D012498 Human Nutrition Science and Pathology XAVIER VERHELST Department of Internal Medicine and Pediatrics 2 D012496 Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 A		
XAVIER VERHELST Department of Internal Medicine and Pediatrics 2 D012496 Method and Device Validation Carolien Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 A		tudy
Carolien Bonroy Department of Diagnostic Sciences 3 D012504 Public Health Nutrition 3 A Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics 3 Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5	A:2 1	180
Stefaan De Henauw Department of Public Health and Primary Care 4 D012495 Medical Laboratory Diagnostics 3 Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5	A:2 7	75
Peter Van Eenoo Department of Diagnostic Sciences 5 D012497 Methodology of Nutritional Research 5 A	A:2 9	90
6,7	A:2 9	90
Bruno Lapauw Department of Internal Medicine and Pediatrics	A:1 1	150
6 D012509 Structural Aspects of the Central Nervous System 5 A	\:1 1:	150
	A:2 1	150
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8	D012511	Neurobiology Evelien Carrette Department of Head and Skin	5	A:2	150
9	D012512	Neurogenetics Bart Dermaut Department of Biomolecular Medicine	5	A:2	150
10	D012549	Stem Cell Biology and Reprogramming BJORN HEINDRYCKX Department of Human Structure and Repair	4	A:2	120
11	D012550	Clinical and Experimental Embryology BJORN HEINDRYCKX Department of Human Structure and Repair	3	A:2	90
12	D012548	Degeneration and Senescence Mathieu Bertrand Department of Molecular Biology	5	A:1	150
13	D012551	Biomaterials and Biocompatibility Ruslan Dmitriev Department of Human Structure and Repair	8	A:2	240
14	D012506	Radiochemistry and Radiopharmaceuticals Filip De Vos Department of Pharmaceutical Analysis	4	A:2	120
15	D012508	Radiation Dosimetry and Radioprotection Klaus Bacher Department of Human Structure and Repair	5	A:1	150
16	D012507	Radiotherapy: Technology and Patient Dosimetry Werner De Gersem Department of Human Structure and Repair	6	A:2	150
17	D012505	Medical Imaging Klaus Bacher Department of Human Structure and Repair	5	A:2	150
18	D012490	Cancer Genetics Kaat Durinck Department of Biomolecular Medicine	5	A:2	150
19	D012547	Massively Parallel Sequencing Data-analysis Pieter Mestdagh Department of Biomolecular Medicine	3	A:2	75
20	D000652	Developmental Genetics and Gene Regulation Elfride De Baere Department of Biomolecular Medicine	6	A:1	180
21	D012701	Advanced Human Genetics Sofie Symoens Department of Biomolecular Medicine	6	A:2	180
22	D012531	Molecular Immunology Tom Taghon Department of Diagnostic Sciences	5	A:2	150
23	D012533	Molecular Virology Philip Meuleman Department of Diagnostic Sciences	5	A:2	150
24	D012530	Molecular Bacteriology Piet Cools Department of Diagnostic Sciences	5	A:2	150
25	D012529	Immunopathology Hamida Hammad Department of Internal Medicine and Pediatrics	5	A:1	150
26	D012702	Advanced Imaging and Image Analysis Marleen Van Troys Department of Biomolecular Medicine	5	A:2	150
27	D012554	Machine Learning Methods for Biomedical Data Sven Degroeve Department of Biomolecular Medicine	5	A:2	150
28	D012539	Protein Interaction Networks and Medical Applications Sven Eyckerman Department of Biomolecular Medicine	4	A:2	120
29	D012555	Genomics, Proteomics and Metabolomics Kris Gevaert Department of Biomolecular Medicine	6	A:1	180
30	D012491	Proliferation and Survival Panagiotis Ntziachristos Department of Biomolecular Medicine	5	A:1	150
31	D012492	Communication and Metastasis Olivier De Wever Department of Human Structure and Repair	5	A:2	150
32	D012493	Clinical Aspects of Cancer Wim Ceelen Department of Human Structure and Repair	5	A:2	150
33	D012490	Cancer Genetics Kaat Durinck Department of Biomolecular Medicine	5	A:2	150
34	D001877	Food Microbiology and Food Preservation Andreja Rajkovic Department of Food Technology, Safety and Health	6	A:1	180
35	D012510	Clinical Neurology Kristl Vonck Department of Head and Skin	6	A:1	150
36	D001923	Tissue Engineering Ruslan Dmitriev Department of Human Structure and Repair	6	A:1	180
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37 D012563	Radiobiology and Radiopathology Ans Baeyens Department of Human Structure and Repair	6	A:1	180
38 D013094	Vaccinology Isabel Leroux-Roels Department of Diagnostic Sciences	6	A:1	180

3.5 Preparing for EduMa

Nr	Course		CRDT	Ref	MT1	Session	Study
1	H002476	Powerful Learning Environments [nl] Bram De Wever Department of Educational Studies	6			A:1	180
2	H002478	The Student: Development and Motivation [nl] Wim Beyers Department of Developmental, Personality and Social Psychology	6			A:1	180
3	H002477	The Teacher within Class, School and Society [nl] Melissa Tuytens Department of Educational Studies	6			A:2	180
4	H002587	Teaching Methodology: Health Sciences I [nl] Leen Haerens Department of Movement and Sports Sciences	9			A:1	270

3.6 Medical Radiation Physics

Nr			CRDT		Session	Study
1	C004114	Mathematics: Advanced Techniques [nl] Marnix Van Daele Department of Mathematics, Computer Science and Statistics	6	2	A:2	180
2	C004212	Python for Scientists Toon Verstraelen Department of Physics and Astronomy	5	2	A:1	150
3	C004223	Nuclear Physics Natalie Jachowicz Department of Physics and Astronomy	4	2	A:2	120
4	D002433	Detection and Measurement of Ionizing Radiation [nl] Klaus Bacher Department of Human Structure and Repair	3	2	A:1	90
5	D013254	Radiation Protection, Safety and Legislation [nl] Klaus Bacher Department of Human Structure and Repair	5	2	A:J	150

3.7 Elective Courses: Free Choice

6 credits

Subscribe to no more than 6 credit units from the study programmes of Ghent University, including the Ghent University Elective

Courses. Subject to approval by the faculty.

The maximum number of 6 ECTS credits for elective courses that can be freely chosen may be exceeded to a maximum of 12 ECTS credits, only for elective courses in support of the master's thesis or major. Moreover, the request to take more than 6 SP of free electives needs to be motivated on behalf of the curriculum committee, who will give its final approval, for all the included free electives within the package of maximal 12 SP.

Ghent University Elective Courses

4 Work Placement 6 credits					
Nr Course	CRDT Re	f MT1	Session	Study	
1 D013637 Major Internship Biomedical Sciences Kaat Durinck Department of Biomolecular Medicine	6	1	A:J	180	
5 Master's Dissertation			30 (credits	
Nr Course	CRDT Re	f MT1	Session	Study	
1 D012185 Master's Dissertation	30	2	A:J	900	

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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

pt: Portuguese cs: Czech el: Greek fr: French nl: Dutch sl: Slovene it: Italian ru: Russian da: Danish en: English no: Norwegian 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:

c: annually, from 2026-2027 f: annually, from 2027-2028 i: annually, from 2028-2029 a: bi-annually d: bi-annually, from 2026-2027 g: bi-annually, from 2027-2028 j: bi-annually, from 2028-2029 b: tri-annually h: tri-annually, from 2027-2028 e: tri-annually, from 2026-2027 k: tri-annually, from 2028-2029

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