

One-year master program (60 ECTS)

First semester

Compulsory courses

MEDE0430-1	<i>Biomedical research history</i> - Vincent GEENEN	15	-	-	2
LANG0130-1	<i>Scientific English Practice (note-taking)</i> - Christine FILOT, Vincent SEUTIN	5	25	-	3
LABO0432-1	<i>Techniques for cells and tissue cultures</i> - Marie-Claire GILLET	5	20	-	3
COMU0430-2	<i>Communication Techniques</i> - Robert LEJEUNE	15	20	-	3
SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	25	10	-	4
BIOL0431-1	<i>Complements of normal and pathological cellular regulation</i> - Agnès NOËL, Rose WINKLER	20	10	-	3

Specific Module

MMEM0430-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	15
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Second semester

Compulsory courses

LABO0433-2	<i>Modern Morphological Methods in Biomedical Research</i> - Roland GREIMERS	30	-	-	3
RADL0440-1	<i>Radiobiology</i> - Philippe DELVENNE	30	10	-	4
SANG0430-2	<i>Hematology</i> - André GOTHOT	20	-	-	3
INFO0430-2	<i>Notions of bioinformatics</i> - Olivier PEULEN	10	10	-	2
CHIM0440-2	<i>Complements of medical Chemistry</i> - Jean-Paul CHAPELLE	20	10	-	3
TOXI0432-1	<i>Toxicology complements</i> - Corinne CHARLIER	10	10	-	3
NEUR0432-1	<i>Neurobiology, part 2</i> - Pierre LEPRINCE	20	10	-	3
GENE0431-1	<i>Complements of genomics</i> - Michel GEORGES	20	10	-	3
CHIM0433-1	<i>Proteomics</i> - Edwin DE PAUW, Marianne FILLET, Pierre LEPRINCE	20	10	-	3

Two-Year Master Program (120 ECTS)

First Year

First semester

Compulsory courses

MEDE0430-1	<i>Biomedical research history</i> - Vincent GEENEN	15	-	-	2
LANG0130-1	<i>Scientific English Practice (note-taking)</i> - Christine FILOT, Vincent SEUTIN	5	25	-	3
LABO0432-1	<i>Techniques for cells and tissue cultures</i> - Marie-Claire GILLET	5	20	-	3
COMU0430-2	<i>Communication Techniques</i> - Robert LEJEUNE	15	20	-	3
SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	25	10	-	4
BIOL0431-1	<i>Complements of normal and pathological cellular regulation</i> - Agnès NOËL, Rose WINKLER	20	10	-	3

Specific Module

MSTG0430-2	<i>Placement in laboratory</i> - COLLÉGIALITÉ	5	-	-	15
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Quadrimesters 2

Compulsory courses

LABO0433-2	<i>Modern Morphological Methods in Biomedical Research</i> - Roland GREIMERS	30	-	-	3
RADL0440-1	<i>Radiobiology</i> - Philippe DELVENNE	30	10	-	4
SANG0430-2	<i>Hematology</i> - André GOTHOT	20	-	-	3
INFO0430-2	<i>Notions of bioinformatics</i> - Olivier PEULEN	10	10	-	2
CHIM0440-2	<i>Complements of medical Chemistry</i> - Jean-Paul CHAPELLE	20	10	-	3
TOXI0432-1	<i>Toxicology complements</i> - Corinne CHARLIER	10	10	-	3
NEUR0432-1	<i>Neurobiology, part 2</i> - Pierre LEPRINCE	20	10	-	3
GENE0431-1	<i>Complements of genomics</i> - Michel GEORGES	20	10	-	3
CHIM0433-1	<i>Proteomics</i> - Edwin DE PAUW, Marianne FILLET, Pierre LEPRINCE	20	10	-	3

Second year

Compulsory courses

STAT0750-1	<i>Multivariate statistical analysis</i> - Adelin ALBERT	10	10	-	1
MMEM0440-1	<i>Thesis</i> - COLLÉGIALITÉ	-	-	-	29

Choose one focus from the following :

Research Focus

Optional courses

Choose one option from the following :

A. Digestive system and nutrition - Coordinator: Jacques Rigo

SBIM0430-1	<i>Methods in vivo and in vitro concerning gastrointestinal tract</i> - Olivier PEULEN	10	10	-	3
SBIM0431-1	<i>Physiopathology of diseases of the digestive tract</i> - Jean DELWAIDE, Jacques RIGO	30	-	-	4
SBIM0432-1	<i>Physiology of nutrition and the bases of nutritional recommendations, paediatrics</i> - Jacques RIGO	20	-	-	3
SBIM0432-2	<i>Physiology of nutrition and the bases of nutritional recommendations, adult</i> - Nicolas PAQUOT	20	-	-	3
SBIM0433-1	<i>Pathology-specific nutritional problems, paediatrics</i> - Jacques RIGO	15	-	-	2
SBIM0433-2	<i>Pathology-specific nutritional problems, adult</i> - N... - Suppl : Nicolas PAQUOT	15	-	-	2
SBIM0435-1	<i>Dietetic elements</i> - N... - Suppl : Nicolas PAQUOT	5	5	-	1
SBIM0434-1	<i>Control and evaluation of dietary risks</i> - Luc ANGENOT, Monique TITS	10	-	-	2
QUAL0436-1	<i>Quality assurance linked to foodstuffs</i>				2
	- <i>partim I : aspects chimiques</i> - N... - Suppl : Marie-Louise SCIPPO	7,5	-	-	
	- <i>partim II : aspects biologiques</i> - Georges DAUBE	7,5	-	-	
SBIM0436-1	<i>Dietary technology, legislation and labelling</i> - Jacques RIGO	15	-	-	2
SBIM0437-1	<i>Biosafety</i> - Willy ZORZI	5	5	-	1
SBIM0439-1	<i>Bibliographic search</i> - Jean-Paul CHAPELLE, Patrick DE MOL, Philippe HUBERT, Agnès NOËL, Gérald PIERARD, Jacques RIGO, Vincent SEUTIN	-	-	-	5

B. Biomedical aspects specific to developing countries - Coordinator: Patrick De Mol

SBIM0440-1	<i>Fight against disease and international health politics</i> - Daniel GRODOS, Elisabeth PAUL - [15h SEM]	25	-	[+]	5
DERM0430-1	<i>Elements of Dermatopathology</i> - Gérald PIERARD	15	-	-	2
PATH0430-2	<i>Elements of Infectious Pathology in Developing Countries</i> - Patrick DE MOL, Kinda SCHEPERS	20	-	-	3
METO0442-2	<i>Methodology of research in developing countries</i> - Denis PORIGNON	10	15	-	3
NUTR0440-1	<i>Nutrition Problems Specific to Developing Countries</i> - Jacques RIGO	15	-	-	2
SBIM0441-1	<i>Organisational approaches to laboratories in international health</i> - Danièle THULL	10	10	-	3
SOCH1240-4	<i>Sociology of Interventions in Developing Countries</i> - Marc PONCELET	20	-	-	3
SBIM0442-1	<i>Medication in international health</i> - Aline HONORÉ	10	-	-	2
SBIM0443-1	<i>Organisation of health care and geo-climatological parameters</i> - Pierre OZER	15	-	-	2
SBIM0439-1	<i>Bibliographic search</i> - Jean-Paul CHAPELLE, Patrick DE MOL, Philippe HUBERT, Agnès NOËL, Gérald PIERARD, Jacques RIGO, Vincent SEUTIN	-	-	-	5

C. Biological analyses - Coordinator : Jean-Paul Chapelle

QUAL0430-2	<i>Quality assurance systems in analysis laboratories</i> - Jean-Paul CHAPELLE	10	5	-	3
MICR0431-2	<i>Complements of Microbiology</i> - Pierrette MELIN	15	10	-	3
IMMU0430-1	<i>Immunodosages</i> - Julien COLETTE	5	10	-	3
SBIM0450-1	<i>Complements of Clinical Chemistry II</i> - Jean-Paul CHAPELLE	15	10	-	3
SBIM0451-2	<i>The application of molecular biology techniques to clinical biology</i> - Marie-Paule MERVILLE	15	25	-	4
SBIM0452-1	<i>Cellular and molecular biology of acute and chronic inflammation</i> -	15	-	-	3

	HARIOT				
SBIM0453-1	<i>Haematology complements - N... - Suppl : André GOTHOT</i>	15	-	-	3
SBIM0454-1	<i>Monitoring renal pathologies - Etienne CAVALIER</i>	10	-	-	2
SBIM0437-1	<i>Biosafety - Willy ZORZI</i>	5	5	-	1
SBIM0439-1	<i>Bibliographic search - Jean-Paul CHAPELLE, Patrick DE MOL, Philippe HUBERT, Agnès NOËL, Gérald PIERARD, Jacques RIGO, Vincent SEUTIN</i>	-	-	-	5

D. Pharmacology and toxicology - Coordinator : Vincent Seutin

PHAC0430-2	<i>Special pharmacology III - Vincent SEUTIN</i>	30	-	-	4
EPID0430-1	<i>Methodology of Clinical Trials - André SCHEEN</i>	10	-	-	2
EPID0441-1	<i>Pharmaco-epidemiology and Pharmaco-economics - N... - Suppl : Olivier ETHGEN</i>	10	-	-	2
TOXI0441-1	<i>Experimental Toxicology - Corinne CHARLIER</i>	10	-	-	2
METO0441-1	<i>Methodology of Pharmaceutical Research - Thomas JOSSE</i>	15	10	-	3
SBIM0460-1	<i>Introduction to the Pharmaceutical Technology - Géraldine PIEL</i>	15	10	-	3
GENE0430-2	<i>Medical applications in genetic engineering - Vincent BOURS</i>	10	10	-	2
SBIM0461-1	<i>Radiomarking and the medical and experimental use of tracers - Joël AERTS</i>	10	-	-	2
SBIM0462-1	<i>Pharmacology and addiction clinic - Emmanuel PINTO</i>	10	-	-	2
SBIM0463-1	<i>Biocompatibility of implants and biomaterials - Christian GRANDFILS</i>	10	-	-	2
SBIM0437-1	<i>Biosafety - Willy ZORZI</i>	5	5	-	1
SBIM0439-1	<i>Bibliographic search - Jean-Paul CHAPELLE, Patrick DE MOL, Philippe HUBERT, Agnès NOËL, Gérald PIERARD, Jacques RIGO, Vincent SEUTIN</i>	-	-	-	5

E. Neuroscience - Coordinator : Vincent Seutin

SBIM0470-1	<i>Systems Neurobiology - Jacques BALTHAZART</i>	20	-	-	3
SBIM0471-1	<i>Questions of macroscopic physiology of the nervous system - Robert POIRRIER</i>	20	-	-	3
SBIM0472-1	<i>In vivo methodology in neuroscience - Rachele FRANZEN</i>	20	-	-	3
SBIM0473-1	<i>Functional neuro-anatomy in vertebrates - Rachele FRANZEN</i>	30	-	-	4
SBIM0474-1	<i>Biophysics and molecular biology of ion channels - Lucien BETTENDORFF, Doru-Georg MARGINEANU, Vincent SEUTIN</i>	20	-	-	3
SBIM0475-1	<i>Pathologies of the nervous system - N... - Suppl : Eric SALMON</i>	20	10	-	3
PSYC0908-1	<i>Psychobiological questions - Ezio TIRELLI</i>	20	-	-	3
SBIM0477-1	<i>Functional imagery in humans - Pierre MAQUET</i>	20	-	-	3
SBIM0439-1	<i>Bibliographic search - Jean-Paul CHAPELLE, Patrick DE MOL, Philippe HUBERT, Agnès NOËL, Gérald PIERARD, Jacques RIGO, Vincent SEUTIN</i>	-	-	-	5

F. Oncology and immunology - Coordinator : Agnès Noël

SBIM0480-1	<i>Anatomical pathology of tumours - Laurence DE LEVAL - [10h SEM]</i>	10	10	[+]	3
SBIM0481-1	<i>Molecular and cellular oncology - Yvette HABRAKEN, Agnès NOËL, Rose WINKLER - [20h SEM]</i>	30	-	[+]	6
SBIM0482-1	<i>Vaccination - Ernst HEINEN, Olivier JOLOIS - [10h SEM]</i>	10	5	[+]	3
SBIM0483-1	<i>Bioactive molecules in immunology - Vincent GEENEN - [5h SEM]</i>	10	10	[+]	4
SBIM0484-1	<i>Immunology of tumours - Nathalie JACOBS - [10h SEM]</i>	10	-	[+]	3
SBIM0437-2	<i>Biosafety - Willy ZORZI - [10h SEM]</i>	10	5	[+]	3
SBIM0439-1	<i>Bibliographic search - Jean-Paul CHAPELLE, Patrick DE MOL, Philippe HUBERT, Agnès NOËL, Gérald PIERARD, Jacques RIGO, Vincent SEUTIN</i>	-	-	-	5
SBIM0485-1	<i>Anatomical pathology of cutaneous tumours and environmental factors in cancerology - Pascale QUATRESOOZ</i>	10	-	-	3

Professional Focus in Quality Assurance

Compulsory courses

Coordinator : Philippe HUBERT

QUAL0431-1	<i>Internal and external audits - Ahmed IGOUT</i>	10	20	-	3
QUAL0432-1	<i>Quality Assurance for IT systems - Eric ROZET</i>	5	-	-	1

QUAL0433-1	<i>Organisation and quality assurance in a trial laboratory</i> - Philippe HUBERT	5	10	-	2
QUAL0434-1	<i>Validation of quantitative analysis methods</i> - Philippe HUBERT	10	10	-	2
QUAL0435-1	<i>Microbiological quality assurance of the environment</i> - Patrick DE MOL, Pierrette MELIN	10	15	-	3
QUAL0436-1	<i>Quality assurance linked to foodstuffs</i> - <i>partim I : aspects chimiques</i> - N... - Suppl : Marie-Louise SCIPPO - <i>partim II : aspects biologiques</i> - Georges DAUBE	7,5	-	-	2
ESHY0057-1	<i>General Safety Organization</i> - Jacques RONDAL	14	-	-	2
QUAL0437-1	<i>Statistical data analysis using informatic tools</i> - Paul GÉRARD	15	-	-	2
GEST0188-1	<i>Determination and Recognition of Quality and Conformity</i> - Jean-Marie RIGO	30	-	-	4
QUAL0720-1	<i>Evaluation of Interventions in Health Promotion</i> - N... - Suppl : Christian BOUFFIOUX	10	-	-	2
QUAL0430-1	<i>Quality assurance systems in analysis laboratories</i> - Jean-Paul CHAPELLE	10	-	-	2
QUAL0438-1	<i>Good Manufacturing Practices (GMP) (english)</i> - Philippe HUBERT	10	10	-	2
QUAL0439-1	<i>Chemical quality assurance of the environment</i> - Corinne CHARLIER	15	15	-	3

Professional Focus in Cosmetology

Compulsory courses

Coordinator : Gérald PIERARD

COSM0430-1	<i>Non-invasive in vivo biometrology applied to the evaluation of the tolerance of products applied to the skin, the phaneres and the mucous membrane</i> - Gérald PIERARD	15	15	-	2
COSM0431-1	<i>Environment, life cycle of products and biodegradation</i> - Jean-François HERMANNNS	15	-	-	2
COSM0432-1	<i>Functions and physico-chemical properties of raw materials in cosmetology</i> - Géraldine PIEL	15	-	-	2
COSM0433-2	<i>Intolerance and cutaneous cancerogenesis relating to cosmetics</i> - Claudine FRANCHIMONT, Gérald PIERARD	10	-	-	2
COSM0434-1	<i>Cosmetology: Belgian, European and extra-European regulation, copyright and patents</i> - Jean-Michel FEROU MONT	10	5	-	2
COSM0435-1	<i>Ex vivo testing methods on the corneal layer, hair and nails</i> - Claudine FRANCHIMONT, Gérald PIERARD	5	10	-	2
COSM0436-2	<i>In vitro alternatives to animal experimentation, predicting the effectiveness and toxic risks of cosmetics</i> - Gérald PIERARD	10	5	-	2
EPID0430-1	<i>Methodology of Clinical Trials</i> - André SCHEEN	10	-	-	2
COSM0437-1	<i>Physiology, immunology and microanatomie of skin, dander, mucous membranes and teeth</i> - Gérald PIERARD - Suppl : Pascale QUATRESOOZ	30	-	-	3
COSM0438-2	<i>Principles of formulation applied to cosmetology, 15h Th, 30h Pr</i> - Géraldine PIEL	15	20	-	3
COSM0439-1	<i>Issues in microbiology in cosmetology</i> - Pierrette MELIN	15	-	-	2
COSM0440-1	<i>Special questions relating to different types of cosmetics and cosmeceuticals</i> - Claudine FRANCHIMONT, Gérald PIERARD	15	-	-	2
COSM0441-1	<i>Systemic toxic risks linked to cosmetics</i> - Corinne CHARLIER	15	-	-	2
COSM0442-1	<i>Xenobiotics and living cells</i> - Christian GRANDFILS	15	-	-	2