

Block view of the study programme

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Block 1

Choose one of the two programmes:

Master en sciences biomédicales, à finalité

LANG0130-2	<i>Scientific English Practice</i> - Sabine WISLET	Q1	4	16	-	2
COMU0430-2	<i>Communication techniques</i> - Michael HERFS	Q1	10	20	-	2
BIOL0431-2	<i>Complement of normal and pathological cellular regulation</i> - Yvette HABRAKEN, Laurent NGUYEN, Agnès NOËL	Q1	20	-	-	2
GENE0431-1	<i>Complement of genomics</i> - Michel GEORGES	Q1	20	-	-	3
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	Q1	15	15	-	2
IMMU0523-1	<i>Advances in Immunology and Vaccinology</i> (english language) - Laurence DELACROIX, Nathalie JACOBS - [5h AUTR]	Q1	15	-	[+]	2
SBIM2002-1	<i>Introduction to Oncology</i> (english language) - Yvette HABRAKEN, Agnès NOËL, Nor Eddine SOUNNI - [5h AUTR]	Q1	15	-	[+]	2
SBIM2003-1	<i>Advances in Cardiovascular Biology</i> (english language) - Philippe MORIMONT - [5h AUTR]	Q1	15	-	[+]	2
NEUR2043-1	<i>Advances in Neurosciences</i> (english language) - Rachele FRANZEN, Vincent SEUTIN - [5h AUTR]	Q1	15	-	[+]	2
NUTR1003-1	<i>Advances in Nutrition and Gastrointestinal tract biology</i> (english language) - Georges DAUBE, Véronique DELCENSERIE, Olivier PEULEN, Souad RAHMOUNI, MarieLouise SCIPPO, Bernard TAMINIAU - [5h AUTR]	Q1	15	-	[+]	2
PHAR2221-1	<i>Advances in Pharmacology and Toxicology</i> (english language) - Raphaël DENOOZ, Julien HANSON	Q1	10	10	-	2
SBIM0437-4	<i>Regulatory framework for (bio)safety and biorisk management in research and development facilities</i> (english language) - Christine GRIGNET, Anne GROGNA, Olivier THELLIN, Willy ZORZI - [2h Moni. ex.]	Q1	13	-	[+]	1
INFO0430-3	<i>Notions of bioinformatics</i> - Olivier PEULEN	Q2	10	10	-	2
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	Q2	20	10	-	2
METO0822-1	<i>Introduction to Translational Research</i> (english language) - Stéphane BERGHMANS, François JOURET	Q2	30	-	-	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	2

Optional courses

Choose one focus from the following :

Research Focus

Choose one option from the following :

Notice : Organisation of the optional subjects is conditional upon a minimum number of students being registered for the study programme. The number will be defined at the start of the year.

A. Multidisciplinary research

SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	Q1	25	10	-	3
RADL0440-2	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	Q1	20	10	-	3
BIOC0725-2	<i>Stem cells</i> (english language) - Renaud VANDENBOSCH	Q2	20	-	-	2
NUTR1004-1	<i>Advances in Nutrition and Gastrointestinal tract biology II</i> (english language) - Joëlle COLLIGNON, Jean DELWAIDE,	Q2	20	-	[+]	2

Nathalie ESSER, Guy JERUSALEM, Edouard LOUIS,
Nicolas PAQUOT, Catherine REENAERS - [10h AUTR]

NEUR2044-1	<i>Advances in Neurosciences II</i> (english language) - Julie BAKKER, Charlotte CORNIL, Rachele FRANZEN, AnneSimone PARENT	Q2	55	-	-	5
PHAR2222-1	<i>Advances in Pharmacology and Toxicology II</i> (english language) - Corinne CHARLIER, Julien HANSON - [15h AUTR]	Q2	35	-	[+]	5
SBIM2008-1	<i>Advances in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTET, Nor Eddine SOUNNI - [15h AUTR]	Q2	35	-	[+]	5
LABO0433-3	<i>Advances in Morphological Methodology</i> (english language) - Sandra ORMENESE	Q2	20	-	-	2

B. Multidisciplinary English

SBIM0494-2	<i>General introduction to cell biology</i> (english language) - Pierre CLOSE, Laurence DELACROIX, Mireille DUMOULIN, Keith DURKIN, Julien HANSON, François JOURET, Vincent SEUTIN - [15h Pers. Res.]	Q1	15	15	[+]	6
SBIM0495-2	<i>Molecular and cellular basis of disease</i> (english language) - Jo CAERS, Pierre CLOSE, Charlotte CORNIL, Laurence DELACROIX, Mireille DUMOULIN, Keith DURKIN, Julien HANSON, François JOURET, Vincent SEUTIN, Sabine WISLET - [40h Pers. Res.]	Q2	20	10	[+]	7
SBIM0496-2	<i>Advanced techniques for diagnosis and prognosis</i> (english language) - Laurence DELACROIX, Pascal DE TULLIO, Keith DURKIN, François JOURET, Sabine WISLET, Nathalie WITHOFS - [40h Pers. Res.]	Q2	10	10	[+]	5
SBIM0497-2	<i>New therapeutic approaches to disease</i> (english language) - Jo CAERS, Pierre CLOSE, Mireille DUMOULIN, Julien HANSON, France LAMBERT, Amélie MAINJOT, AnneSimone PARENT, Vincent SEUTIN - [40h Pers. Res.]	Q2	10	10	[+]	5
SBIM0498-2	<i>Critical evaluation of experimental data</i> (english language) - Keith DURKIN, Julien HANSON, François JOURET, Sabine WISLET - [10h Pers. Res.]	Q2	10	10	[+]	4

Professional Focus in Quality Assurance

Notice : Organisation of the focus is conditional upon a minimum number of students being registered for the study programme. The number will be defined at the start of the year.

QUAL0433-1	<i>Organisation and quality assurance in a trial laboratory</i> - Philippe HUBERT, Joëlle WIDART	Q1	5	10	-	3
GEST0188-1	<i>Determination and recognition of quality and conformity</i> - <i>Common theory</i> - Pierre DEWALLEF - <i>practice</i> - Joëlle WIDART	Q1	15	-	-	3
QUAL0438-2	<i>Good Manufacturing Practices (GMP)</i> (english language) - Eric CLAESSENS, Lucas FOTSING, Philippe HUBERT, Roland MARINI DJANG'EING'A	Q2	10	10	-	1
QUAL0430-3	<i>Quality assurance systems in clinical biology</i> - Etienne CAVALIER	Q2	10	3	-	2
QUAL0436-5	<i>Quality assurance linked to foodstuffs</i> - <i>Partim I : aspects chimiques</i> - MarieLouise SCIPPO - <i>Partim II : aspects biologiques</i> - Georges DAUBE	Q2	7	-	-	2
QUAL0435-2	<i>Microbiological quality assurance of the environment</i> - Sébastien BONTEMS	Q2	10	15	-	3
ESHY0057-2	<i>General safety organization</i> - Emmanuelle DINON, Christine GRIGNET, Anne GROGNA	Q2	14	-	-	2

QUAL0439-2	<i>Chemical quality assurance of the environment</i> - Gauthier EPPE	Q2	18	-	-	3
QUAL0434-2	<i>Validation of quantitative analysis methods</i> - Philippe HUBERT, Roland MARINI DJANG'EING'A	Q2	10	5	-	2
QUAL0725-1	<i>Managing data integrity</i> - Cédric HUBERT	Q2	5	5	-	1
QUAL0432-2	<i>Quality Assurance for IT systems</i> - Marc DENHAM	Q2	5	-	-	1
INFO9007-1	<i>Advanced Programming</i> (english language) - AnneFrançoise DONNEAU	Q2	10	20	-	4

Finalité spécialisée en gestion de la recherche clinique

Notice : This focus is created jointly with UNamur, which, as the lead university, is responsible for its management. Therefore, students are registered and follow the core curriculum at UNamur.

SBIM2004-1	<i>Medical Psychology</i> (english language) - AnneMarie ETIENNE, Audrey VANHAUDENHUYSE	Q2	5	10	-	2
SBIM2005-1	<i>Regulatory framework for (bio)safety and biorisk management in clinical research</i> (english language) - Christine GRIGNET, Anne GROGNA, Olivier THELLIN, Willy ZORZI - [2h Moni. ex.]	Q1	13	-	[+]	1
SBIM2006-1	<i>Pathophysiology</i> (english language) - François JOURET, Hernan VALDESSOCIN	Q1	30	-	-	3
SBIM2007-1	<i>Clinical trials of Medical Devices</i> (english language) - Philippe MORIMONT	Q1	20	10	-	3
INFO9005-1	<i>Bioinformatic Skills</i> (english language) - Christophe POULET	Q1	10	20	-	2
SBIM2009-1	<i>Patient and Researcher Interplay</i> (english language) - Marie DAUVRIN	Q2	20	-	-	3
SBIM2010-1	<i>Intellectual Property and Patent</i> (english language) - Evelyne GRIDELET	Q1	20	-	-	2
SBIM2011-1	<i>Writing and Reading skills</i> (english language) - Sabine WISLET	Q2	15	30	-	3
SBIM2012-1	<i>Biomarkers and surrogate markers in clinical research</i> (english language) - Dominique DE SENY	Q2	25	10	-	3
SBIM2013-1	<i>Evidence Based Medicine</i> (english language) - Régis RADERMECKER	Q2	10	-	-	1

Professional focus in biomedical data management

Notice : Organisation of the focus is conditional upon a minimum number of students being registered for the study programme. The number will be defined at the start of the year. This focus is created jointly with UNamur. ULiège, as the main university, is responsible for managing this focus. Therefore, students are registered and follow the core curriculum at ULiège.

HULG9514-1	<i>Introduction to programming</i> - François DEGRAVE, Wim VANTHOF	Q1	30	30	-	6
HULG9508-1	<i>Introduction to operating systems</i> - Seweryn DYNEROWICZ, JeanMarie JACQUET	Q2	15	15	-	3
HULG9509-1	<i>Algorithmics in bio-informatics</i> - JeanMarie JACQUET - [30h AUTR]	Q2	30	30	[+]	8
HULG9510-1	<i>Data analysis</i> - Adrien BIDAL, Benoît FRÉNEY	Q2	30	15	-	4
INFO9007-1	<i>Advanced Programming</i> (english language) - AnneFrançoise DONNEAU	Q2	10	20	-	3
SBIM2016-1	<i>Data Management Process within the clinical and the reporting Process</i> (english language) - Christophe POULET	Q2	20	10	-	3

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LANG0130-1	<i>Scientific English Practice</i> - Sabine WISLET	Q1	5	25	-	3
COMU0430-3	<i>Communication techniques</i> - - Michael HERFS	TA	10	20	-	2

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SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	Q1	25	10	4
BIOL0431-2	<i>Complement of normal and pathological cellular regulation</i> - Yvette HABRAKEN, Laurent NGUYEN, Agnès NOËL	Q1	20	-	3
LABO0433-2	<i>Advances in Morphological Methodology</i> (english language) - Sandra ORMENESE	Q1	15	5	2
SANG0430-2	<i>Hematology and haemostasis</i> - André GOTHOT	Q1	20	-	2
INFO0430-2	<i>Notions of bioinformatics</i> - Olivier PEULEN	Q1	10	10	2
GENE0431-1	<i>Complement of genomics</i> - Michel GEORGES	Q1	20	-	3
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	Q1	15	15	2
RADL0440-1	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	Q2	20	10	4
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	Q2	20	10	3
TOXI0432-1	<i>Complement of toxicology</i> - Raphaël DENOZ	Q2	10	10	2
CHIM0433-1	<i>Proteomics</i> - Marianne FILLET, Gabriel MAZZUCHELLI	Q2	20	10	3
NEUR0432-1	<i>Complement of neurobiology</i>	Q2	20	10	3
METO0822-1	<i>Introduction to Translational Research</i> (english language) - Stéphane BERGHMANS, François JOURET	Q2	30	-	3

Specific Module

MSTG0430-3	<i>Laboratory placements</i> - COLLÉGIALITÉ	Q2	-	-	15
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Optional courses

Choose one of the following courses :

BIOC0210-5	<i>Enzymology</i> - André MATAGNE - [10h Mon. WS]	Q1	20	-	[+]	2
BIOC0709-4	<i>Bioenergetics</i> - Pierre CARDOL, Fabrice FRANCK	Q1	20	-	-	2
BIOC0725-1	<i>Stem cells</i> (english language) - Renaud VANDENBOSCH	Q1	20	-	-	2
BIOC0720-1	<i>Structural biology</i> - Paulette CHARLIER, Christian DAMBLON - [15h Mon. WS]	Q1	25	-	[+]	2

Choose one of the following courses :

BIOC0722-1	<i>Application of spectroscopic techniques to the study of folding and stability of proteins</i> - André MATAGNE - [10h Mon. WS]	Q2	20	-	[+]	2
CHIM0687-1	<i>Introduction to protein NMR</i> - Christian DAMBLON - [10h Mon. WS]	Q2	10	-	[+]	2
CHIM0688-1	<i>Biological mass spectrometry</i> - Loïc QUINTON - [5h Mon. WS]	Q2	15	-	[+]	2
BIOL2029-1	<i>Introduction to clinical biology</i> - Etienne CAVALIER, Corinne CHARLIER, André GOTHOT, MariePierre HAYETTE	Q2	20	-	-	2

Block 2

Choose one of the two programmes:

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STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	Q1	10	15	-	2
MSTG9076-1	<i>Work placement</i> - COLLÉGIALITÉ	Q2	-	-	-	17
Corequisite :						
MMEM9012-1 - Thesis						
MMEM9012-1	<i>Thesis</i> (english language) - COLLÉGIALITÉ	TA	-	-	-	28
Prerequisite :						
SBIM0439-1 - Bibliographic Research						

Optional courses

Choose two courses out of the following :

INFO9010-1	<i>Medical records and hospital IT</i> - Laurent DEBRA, Philippe KOLH, Michel RAZE	Q1	30	-	-	5
SANT4004-1	<i>Laws and legal aspects of hospitals and medical care</i> - Pierre GILLET	Q1	50	-	-	5
SBIM2017-1	<i>Oncology and Immunology</i> (english language) - Nathalie JACOBS, Barbara POLESE - [10h AUTR]	Q1	40	-	[+]	5
NEUR2045-1	<i>Pre-clinical Neurosciences</i> (english language) - Lucien BETTENDORFF, Laurence DELACROIX, Dominique ENGEL, Rachelle FRANZEN, Vincent SEUTIN - [5h AUTR]	Q1	40	-	[+]	5
NEUR2046-1	<i>Clinical Neurosciences</i> (english language) - Rachelle FRANZEN, Gaëtan GARRAUX, Eric SALMON - [10h AUTR]	Q1	40	-	[+]	5
SBIM2018-1	<i>GIT from bench to bedside</i> (english language) - Joëlle COLLIGNON, Olivier DETRY, Guy JERUSALEM, MarieAlice MEUWIS, Olivier PEULEN, Catherine REENAERS - [10h AUTR]	Q1	40	-	[+]	5
RADL0444-1	<i>Complement of Radiobiology and Radiation Protection</i> - Guillaume BECKER, Chantal HUMBLET, Philippe MARTINIVE - [10h AUTR]	Q1	40	-	[+]	5
SBIM2019-1	<i>Advanced concepts in drug therapy and development</i> (english language) - Alain CHARLOT, Pierre FRANCOIS, Christian GRANDFILS, Julien HANSON, Géraldine PIEL - [10h AUTR]	Q1	40	-	[+]	5
SBIM2020-1	<i>Clinical aspects of drug therapy</i> (english language) - Olivier ETHGEN, Pierre LOVINOSSE, Emmanuel PINTO, Régis RADERMECKER - [10h PBL]	Q1	40	-	[+]	5
CHIM9314-1	<i>Mass spectrometry technologies in biomedical research and their applications in the biotech industry</i> (english language) - Marianne FILLET, Gabriel MAZZUCHELLI - [10h AUTR]	Q1	30	20	[+]	5
SBIM2021-1	<i>Additional course in biological analyses I</i> - Etienne CAVALIER, Benaïssa ELMOUALIJ, Frédéric LAMBERT	Q1	30	40	-	5
SBIM2022-1	<i>Additional course in biological analyses II</i> - François BOEMER, Etienne CAVALIER, MariePierre HAYETTE	Q1	30	20	-	5
SBIM2023-1	<i>Additional course in biological analyses III</i> - Etienne CAVALIER, André GOTHOT	Q1	40	-	-	5

Choose one focus from the following :

Research Focus

Choose one option from the following :

A. Multidisciplinary research

IMMU0524-1	<i>Advances in Immunology and Vaccinology II</i> (english language) - Andy CHEVIGNÉ, Laurence DELACROIX, Nathalie JACOBS - [10h AUTR]	Q1	20	-	[+]	3
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B. Multidisciplinary English

SBIM0499-1	<i>Thematic seminars</i> (english language) - Pierre CLOSE - [20h SEM]	Q1	-	-	[+]	3
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Professional Focus in Quality Assurance

QUAL0431-1	<i>Internal and external audits</i> - Ahmed IGOUT	Q1	10	20	-	3
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Finalité spécialisée en gestion de la recherche clinique

HULG9520-1	<i>Clinical Study Management</i> (english language) - Marc ANDRÉ, Yves GEYSELS	Q1	20	-	-	3
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HULG9512-1	<i>Clinical Research Associate Training</i> (english language) - Jonathan DOUXFILS	Q1	15	-	-	2
HULG9513-1	<i>Clinical Project Management</i> (english language) - Laure DELBECQUE	Q1	15	-	-	2

Professional focus in biomedical data management

SBIM2027-1	<i>Medical record</i> - Philippe KOLH	Q1	10	-	-	1
SBIM2028-1	<i>Clinical Data Management and Biobank</i> (english language) - Stéphanie GOFFLOT, Jessica JACQUES	Q1	5	10	-	2

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STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	Q1	10	15	-	2
MMEM0440-1	<i>Final thesis</i> - COLLÉGIALITÉ Prerequisite : MSTG0430-3 - Stage en laboratoire	Q2	-	-	-	28

Optional courses

Choose one focus from the following :

Research Focus

Choose one option from the following :

Notice : the subjects are organised pending a minimum of students registered in the study programme, number to be defined at the beginning of the academic year.

A. Digestive system and nutrition - Coordinator: Nicolas Paquot

Notice : all courses in this option could be given in English.

SBIM0430-1	<i>Methods in vivo and in vitro concerning gastrointestinal tract</i> - Olivier PEULEN	Q1	15	10	-	4
SBIM0431-1	<i>Diseases of the digestive tract and food allergies/intolerances. Pediatric and adult aspects</i> - Jean DELWAIDE, Edouard LOUIS, Vincent RIGO	Q1	30	-	-	4
NUTR1002-1	<i>Nutrition, elements of dietetics and diseases</i> - <i>Nutrition and elements of dietetics</i> - Nicolas PAQUOT - <i>Nutrition and diseases</i> - Nicolas PAQUOT	Q1		10	-	8
NUTR1001-1	<i>Food - Health</i> - Véronique DELCENSERIE, MarieLouise SCIPPO Corequisite : SBIM0436-1 - Technologie des denrées alimentaires, législation et étiquetage	Q1	20	-	-	3
QUAL0436-4	<i>Quality assurance linked to foodstuffs</i> - <i>Partim I : aspects chimiques</i> - MarieLouise SCIPPO - <i>Partim II : aspects biologiques</i> - Georges DAUBE	Q1		7,5	-	2
PHAR0331-4	<i>Pharmacognosy, Part I, including phytochemical introduction to the analysis of foodstuffs</i> - <i>Phytochemical introduction and primary metabolites</i> - Michel FREDERICH - <i>Phytochemical introduction to secondary metabolites</i> - Michel FREDERICH	Q1		7	-	2
SBIM0436-1	<i>Dietary technology, legislation and labelling</i> - <i>Legal basis of quality management and food sanitary safety</i> - Antoine CLINQUART - <i>Specific legislation relating to food labeling</i> - Antoine CLINQUART - <i>Specific supplement for biomedicine</i> - Antoine CLINQUART Corequisite :	Q1		4	-	2
				4	-	
				7	-	

NUTR1001-1 - Aliments-Santé

SBIM0437-5	<i>Regulatory framework for (bio)safety and biorisk management in research and development facilities (english language) -</i> Christine GRIGNET, Anne GROGNA, Willy ZORZI	Q1	10	5	-	1
SBIM0439-1	<i>Bibliographic Research (english language) -</i> Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	4

B. Biological analyses - Coordinator : Etienne Cavalier

Notice : Courses QUAL0430, MICR0431, SBIM0450, SBIM0452, SBIM0453, SBIM0454, SBIM0437 could be given in English.

QUAL0430-2	<i>Quality assurance systems in clinical biology -</i> Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	Q1	10	5	-	3
MICR0431-2	<i>Clinical microbiology</i>	Q1	15	10	-	3
IMMU0430-1	<i>Immunoassay -</i> Benaïssa ELMOUALI	Q1	5	10	-	3
SBIM0450-1	<i>Complement of clinical chemistry -</i> Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	Q1	15	10	-	4
SBIM0451-2	<i>Molecular diagnosis -</i> Frédéric LAMBERT	Q1	15	25	-	4
SBIM0452-1	<i>Cellular and molecular biology of acute and chronic inflammation -</i> Alain CHARLOT	Q1	15	-	-	3
SBIM0453-1	<i>Complement of haematology -</i> André GOTHOT Prerequisite : SANG0430-2 - Hématologie et hémostase	Q1	15	-	-	3
SBIM0454-1	<i>Monitoring renal pathologies -</i> Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	Q1	10	-	-	2
SBIM0437-5	<i>Regulatory framework for (bio)safety and biorisk management in research and development facilities (english language) -</i> Christine GRIGNET, Anne GROGNA, Willy ZORZI	Q1	10	5	-	1
SBIM0439-1	<i>Bibliographic Research (english language) -</i> Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	4

C. Pharmacology and toxicology - Coordinator : Julien Hanson

Notice : courses PHAC0430, EPID0441, METO0441, SBIM0461, SBIM0437 could be given in English.

PHAC0430-2	<i>Special pharmacology -</i> Julien HANSON Corequisite : SBIM0460-1 - Introduction à la pharmacie galénique	Q1	30	-	-	4
EPID0430-1	<i>Methodology of Clinical Trials -</i> Régis RADERMECKER	Q1	10	-	-	2
EPID0441-1	<i>Pharmaco-epidemiology and Pharmaco-economics -</i> Olivier ETHGEN	Q1	10	-	-	2
TOXI0441-1	<i>Experimental Toxicology</i> Prerequisite : TOXI0432-1 - Compléments de toxicologie	Q1	10	-	-	2
METO0441-1	<i>Methodology of Pharmaceutical Research -</i> Pierre FRANCOTTE	Q1	15	10	-	3
SBIM0460-1	<i>Introduction to the Pharmaceutical Technology -</i> Géraldine PIEL	Q1	15	10	-	3
BIOL2025-1	<i>Medical and pharmaceutical applications in molecular biology -</i> Alain CHARLOT	Q1	10	-	-	2
SBIM0461-1	<i>Radiomarking and the medical and experimental use of tracers</i>	Q1	10	-	-	2

SBIM0462-1	<i>Pharmacology and addiction clinic</i> - Emmanuel PINTO	Q1	10	-	-	2
SBIM0463-1	<i>Biocompatibility of implants and biomaterials</i> - Christian GRANDFILS	Q1	25	-	-	3
SBIM0437-5	<i>Regulatory framework for (bio)safety and biorisk management in research and development facilities</i> (english language) - Christine GRIGNET, Anne GROGNA, Willy ZORZI	Q1	10	5	-	1
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	4

D. Neurosciences - Coordinator : Rachelle Franzen

Notice : courses SBIM0471, SBIM0472, SBIM0474, SBIM0477 could be given in English.

SBIM0470-1	<i>Principles of neuroendocrinology</i>	Q1	20	-	-	3
SBIM0472-1	<i>In vivo methodology in neuroscience</i> - Rachelle FRANZEN Prerequisite : SBIM0486-2 - Méthodologies expérimentales des animaux vivants LANG0130-1 - Pratique de l'anglais scientifique	Q1	20	-	-	3
SBIM0473-1	<i>Functional neuro-anatomy in vertebrates</i> - Rachelle FRANZEN Prerequisite : NEUR0432-1 - Compléments de neurobiologie	Q1	30	-	-	3
SBIM0474-1	<i>Biophysics and molecular biology of ion channels</i> - Lucien BETTENDORFF, Dominique ENGEL, Vincent SEUTIN	Q1	20	-	-	3
NEUR0190-1	<i>Neurology</i> - Eric SALMON Prerequisite : NEUR0432-1 - Compléments de neurobiologie LANG0130-1 - Pratique de l'anglais scientifique	Q1	20	10	-	4
PSYC0908-1	<i>Introduction to behavioral Neuroscience</i> (english language) - Julie BAKKER	Q1	20	-	-	3
SBIM0477-1	<i>Functional imagery in humans</i> - Gaëtan GARRAUX, Gilles VANDEWALLE	Q1	16	4	-	3
SBIM0437-5	<i>Regulatory framework for (bio)safety and biorisk management in research and development facilities</i> (english language) - Christine GRIGNET, Anne GROGNA, Willy ZORZI	Q1	10	5	-	1
SBIM0001-1	<i>Neuro-inflammation and neuroimmunology</i> - Laurence DELACROIX, Virginie NEIRINCKX	Q1	15	-	-	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	4

F. Oncology and immunology - Coordinator : Agnès Noël

Notice : Courses SBIM0480, SBIM0483, SBIM0484, SBIM0437 could be given in English.

SBIM0480-2	<i>Anatomical pathology of tumours</i> - Jorge ARRESE ESTRADA	Q1	15	15	-	4
SBIM0481-2	<i>Molecular and cellular oncology</i> - Yvette HABRAKEN, Agnès NOËL - [35h SEM] Prerequisite : BIOL0431-2 - Compléments de régulation cellulaire normale et pathologique	Q1	15	-	[+]	6
SBIM0482-2	<i>Vaccination</i> - Laurence DELACROIX, N... - [15h SEM]	Q1	10	5	[+]	4
SBIM0483-1	<i>Cytokine chemokine signalling</i> - Andy CHEVIGNÉ - [5h SEM]	Q1	10	-	[+]	3
SBIM0484-1	<i>Immunology of tumours</i> - Nathalie JACOBS - [10h SEM]	Q1	10	-	[+]	3
SBIM0492-1	<i>Preclinical cancer models</i> - Denis MOTTET - [10h SEM]	Q1	5	-	[+]	3
SBIM0437-5	<i>Regulatory framework for (bio)safety and biorisk management in research and development facilities</i> (english language) -	Q1	10	5	-	1

Christine GRIGNET, Anne GROGNA, Willy ZORZI

SBIM2001-1	<i>Metabolism of cancer</i> - Nor Eddine SOUNNI	Q1	15	-	-	2
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	Q2	-	-	-	4

F. Multidisciplinary English - Coordinator : Vincent Seutin

Notice : all courses will be given in English.

SBIM0494-1	<i>General introduction to cell biology</i> (english language) - Pierre CLOSE, Laurence DELACROIX, Mireille DUMOULIN, Keith DURKIN, Julien HANSON, François JOURET , Vincent SEUTIN - [15h QA Sess.] Prerequisite : GENE0431-1 - Compléments de génomique BIOL0431-2 - Compléments de régulation cellulaire normale et pathologique	Q1	15	15	[+]	4
SBIM0495-1	<i>Molecular and cellular basis of disease</i> (english language) - Jo CAERS, Pierre CLOSE, Charlotte CORNIL, Laurence DELACROIX, Mireille DUMOULIN, Keith DURKIN, Julien HANSON, François JOURET , Vincent SEUTIN, Sabine WISLET - [10h Mon. WS, 40h Pers. Res.]	Q1	20	-	[+]	7
SBIM0496-1	<i>Advanced techniques for diagnosis and prognosis</i> (english language) - Laurence DELACROIX, Pascal DE TULLIO, Keith DURKIN, François JOURET , Sabine WISLET, Nathalie WITHOFS - [10h Mon. WS, 40h Pers. Res.] Prerequisite : METO0822-1 - Introduction to Translational Research	Q1	10	-	[+]	5
SBIM0497-1	<i>New therapeutic approaches to disease</i> (english language) - Jo CAERS, Pierre CLOSE, Mireille DUMOULIN, Julien HANSON, France LAMBERT, AnneSimone PARENT, Vincent SEUTIN - [10h Mon. WS, 40h Pers. Res.]	Q1	10	-	[+]	5
SBIM0498-1	<i>Critical evaluation of experimental data</i> (english language) - Keith DURKIN, Julien HANSON, François JOURET , Amélie MAINJOT, Sabine WISLET - [10h Mon. WS, 10h Pers. Res.]	Q1	10	20	[+]	4
SBIM0499-1	<i>Thematic seminars</i> (english language) - Pierre CLOSE - [20h SEM]	Q1	-	-	[+]	5

Professional Focus in Quality Assurance

Notice : Some courses listed below may be given in English.

Coordinator : Philippe HUBERT

QUAL0431-1	<i>Internal and external audits</i> - Ahmed IGOUT	Q1	10	20	-	3
QUAL0432-1	<i>Quality Assurance for IT systems</i> - Marc DENHAM	Q1	5	-	-	1
QUAL0433-1	<i>Organisation and quality assurance in a trial laboratory</i> - Philippe HUBERT, Joëlle WIDART	Q1	5	10	-	3
QUAL0434-1	<i>Validation of quantitative analysis methods</i> - Philippe HUBERT, Roland MARINI DJANG'EING'A	Q1	10	10	-	2
QUAL0435-1	<i>Microbiological quality assurance of the environment</i>	Q1	10	15	-	3
QUAL0436-4	<i>Quality assurance linked to foodstuffs</i> - <i>Partim I : aspects chimiques</i> - MarieLouise SCIPPO - <i>Partim II : aspects biologiques</i> - Georges DAUBE	Q1				2
				7,5	-	-
				7,5	-	-
ESHY0057-1	<i>General safety organization</i> - Christine GRIGNET, Anne GROGNA	Q1	14	-	-	2
STAT0730-3	<i>Biostatistics, Statistical analysis software</i> - AnneFrançoise DONNEAU, Catherine QUANTIN	Q1	10	16	-	2

GEST0188-1	<i>Determination and recognition of quality and conformity</i> - Common theory - Pierre DEWALLEF - practice - Joëlle WIDART	Q1	15	-	-	3
QUAL0430-1	<i>Quality assurance systems in clinical biology</i> - Etienne CAVALIER	Q1	10	-	-	2
QUAL0438-1	<i>Good Manufacturing Practices (GMP) (english language)</i> - Eric CLASSENS, Lucas FOTSING, Philippe HUBERT, Roland MARINI DJANG'EING'A	Q1	10	10	-	2
QUAL0439-1	<i>Chemical quality assurance of the environment</i> - Gauthier EPPE	Q1	15	15	-	3
GEST2002-1	<i>Integrated approach to assessing the quality of care</i> - Marie ERPICUM, JeanBernard GILLET, Pierre GILLET	Q1	4	16	-	2

Bloc d'aménagement du programme de l'année

Additional ECTS Master in biology (120 ECTS)

Compulsory courses

PHAC1001-2	<i>General pharmacology</i> - Theory - Vincent SEUTIN - Suppl : Julien HANSON, Virginie NEIRINCKX - Pharmacology seminars for biomedicine - Vincent SEUTIN - Suppl : Julien HANSON, Virginie NEIRINCKX - [4h SEM]	Q1	20	-	-	3
IMMU0001-2	<i>General immunology, Theory</i> - Catherine SADZOT	Q1	15	-	-	2
TOXI0341-3	<i>Toxicological chemistry, Part I, Toxicological chemistry</i> - Corinne CHARLIER	Q1	20	-	-	2
NEUR0430-1	<i>Principles of neurobiology</i> - Rachelle FRANZEN, Vincent SEUTIN	Q1	20	-	-	2
BIOC0006-1	<i>Principles of normal and pathological cellular regulation</i> - Agnès NOËL	Q1	20	-	-	2
LANG5001-1	<i>Advanced English for Biomedical Science (english language)</i> - Yasmine BADIR, Jérôme GAILLARD, Andrea TUDINO - [10h AUTR]	Q1	-	30	[+]	2
LABO0432-1	<i>Techniques for cells and tissue cultures</i> - Erik MAQUOI	Q1	8	20	-	2
STAT1001-1	<i>Biostatistics I</i> - AnneFrançoise DONNEAU - [15h QA Sess.]	Q1	15	-	[+]	2
BIOC0010-1	<i>Human, normal and pathological biochemistry and physiology (COPIE)</i> - Cardiovascular system - Philippe KOLH - Respiratory system - Didier CATALDO - Nervous system - Gaëtan GARRAUX - Nervous system - specific concepts - Gilles VANDEWALLE - [2h Pr.]	Q1	10	-	-	6
BIOC0010-2	<i>Human, normal and pathological biochemistry and physiology (COPIE)</i> - Endocrine system and metabolism - Philippe KOLH - Digestive system - Didier CATALDO - Nephro-urinary system - Didier CATALDO	Q1	15	-	-	5
IMMU0522-1	<i>Immunopathology</i> - Christophe DESMET, Michel MOUTSCHEN - [7h SI]	Q2	10	-	[+]	2
BIOC0322-2	<i>Proteins biochemistry</i> - Sabine WISLET - [8h SEM]	Q2	16	-	[+]	4
BIOL0028-1	<i>Molecular biology</i> - Agnès NOËL	Q2	55	40	-	9
CHIM0217-3	<i>Principles of clinical chemistry</i> - Etienne CAVALIER	Q2	20	-	-	2
LANG5002-1	<i>Advanced English for Biomedical Science 2 (english language)</i> - Jérôme GAILLARD, Pascal MAQUINAY, Sébastien SCHOENMAECKERS, Andrea TUDINO - [10h AUTR]	Q2	-	30	[+]	2
GENE0121-2	<i>Special medical genetics</i> - Vincent BOURS	Q2	14	-	-	2
ANAP0120-4	<i>General pathological anatomy</i> - Theory - Philippe DELVENNE	Q2	20	-	-	4

	- <i>Practical work for biomedicine</i> - Philippe DELVENNE			-	6	-	
BIOL2029-1	<i>Introduction to clinical biology</i> - Etienne CAVALIER, Corinne CHARLIER, André GOTHOT, MariePierre HAYETTE	Q2	20	-	-	-	2
HISL0220-3	<i>Human histology</i> - Chantal HUMBLET	Q2	20	10	-	-	5