

Cycle view of the study programme

B1 Or Th Pr Au Cr

Choose one of the two programmes: (B1 : 60Cr, B2 : 60Cr)

MASTER IN BIOMEDICINE (120 ECTS) (B1 : 60Cr, B2 : 60Cr)

LANG0130-2	<i>Scientific English Practice</i> - Sabine WISLET	B1	Q1	4	16	-	2
COMU0430-2	<i>Communication techniques</i> - Michael HERFS	B1	Q1	10	20	-	2
BIOL0431-2	<i>Complement of normal and pathological cellular regulation</i> - Yvette HABRAKEN, Laurent NGUYEN, Agnès NOËL	B1	Q1	20	-	-	2
GENE0431-1	<i>Complement of genomics</i> - Michel GEORGES	B1	Q1	20	-	-	3
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	2
IMMU0523-1	<i>Advances in Immunology and Vaccinology</i> (english language) - Laurence DELACROIX, Nathalie JACOBS - [5h AUTR]	B1	Q1	15	-	[+]	2
SBIM2002-1	<i>Introduction to Oncology</i> (english language) - Yvette HABRAKEN, Agnès NOËL, Nor Eddine SOUNNI - [5h AUTR]	B1	Q1	15	-	[+]	2
SBIM2003-1	<i>Advances in Cardiovascular Biology</i> (english language) - Philippe MORIMONT - [5h AUTR]	B1	Q1	15	-	[+]	2
NEUR2043-1	<i>Advances in Neurosciences</i> (english language) - Rachele FRANZEN, Vincent SEUTIN - [5h AUTR]	B1	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]	B1	Q1	15	-	[+]	2
PHAR2221-1	<i>Advances in Pharmacology and Toxicology</i> (english language) - Raphaël DENOOZ, Julien HANSON	B1	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.]	B1	Q1	13	-	[+]	1
INFO0430-3	<i>Notions of bioinformatics</i> - Olivier PEULEN	B1	Q2	10	10	-	2
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	B1	Q2	20	10	-	2
METO0822-1	<i>Introduction to Translational Research</i> (english language) - Stéphane BERGHMANS, François JOURET	B1	Q2	30	-	-	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	B1	Q2	-	-	-	2
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	10	15	-	2
MSTG9076-1	<i>Work placement</i> - COLLÉGIALITÉ Corequisite : MMEM9012-1 - Thesis	B2	Q2	-	-	-	17
MMEM9012-1	<i>Thesis</i> (english language) - COLLÉGIALITÉ Prerequisite : SBIM0439-1 - Bibliographic Research	B2	TA	-	-	-	28

Optional courses (B1 : 27Cr, B2 : 13Cr)

Choose two courses out of the following : (B2 : 10Cr)

INFO9010-1	<i>Medical records and hospital IT</i> - Laurent DEBRA, Philippe KOLH, Michel RAZE	B2	Q1	30	-	-	5
SANT4004-1	<i>Laws and legal aspects of hospitals and medical care</i> - Pierre GILLET	B2	Q1	50	-	-	5
SBIM2017-1	<i>Oncology and Immunology</i> (english language) - Nathalie JACOBS, Barbara POLESE - [10h AUTR]	B2	Q1	40	-	[+]	5

NEUR2045-1	<i>Pre-clinical Neurosciences</i> (english language) - Lucien BETTENDORFF, Laurence DELACROIX, Dominique ENGEL, Rachelle FRANZEN, Vincent SEUTIN - [5h AUTR]	B2	Q1	40	-	[+]	5
NEUR2046-1	<i>Clinical Neurosciences</i> (english language) - Rachelle FRANZEN, Gaëtan GARRAUX, Eric SALMON - [10h AUTR]	B2	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]	B2	Q1	40	-	[+]	5
RADL0444-1	<i>Complement of Radiobiology and Radiation Protection</i> - Guillaume BECKER, Chantal HUMBLET, Philippe MARTINIVE - [10h AUTR]	B2	Q1	40	-	[+]	5
SBIM2019-1	<i>Advanced concepts in drug therapy and development</i> (english language) - Alain CHARLOT, Pierre FRANCOYTE, Christian GRANDFILS, Julien HANSON, Géraldine PIEL - [10h AUTR]	B2	Q1	40	-	[+]	5
SBIM2020-1	<i>Clinical aspects of drug therapy</i> (english language) - Olivier ETHGEN, Pierre LOVINOSSE, Emmanuel PINTO, Régis RADERMECKER - [10h PBL]	B2	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]	B2	Q1	30	20	[+]	5
SBIM2021-1	<i>Additional course in biological analyses I</i> - Etienne CAVALIER, Benaïssa ELMOUALI, Frédéric LAMBERT	B2	Q1	30	40	-	5
SBIM2022-1	<i>Additional course in biological analyses II</i> - François BOEMER, Etienne CAVALIER, MariePierre HAYETTE	B2	Q1	30	20	-	5
SBIM2023-1	<i>Additional course in biological analyses III</i> - Etienne CAVALIER, André GOTHOT	B2	Q1	40	-	-	5

Choose one focus from the following : (B1 : 27Cr, B2 : 3Cr)

Research Focus (B1 : 27Cr, B2 : 3Cr)

Choose one option from the following : (B1 : 27Cr, B2 : 3Cr)

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 (B1 : 27Cr, B2 : 3Cr)

SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	B1	Q1	25	10	-	3
RADL0440-2	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	B1	Q1	20	10	-	3
BIOC0725-2	<i>Stem cells</i> (english language) - Renaud VANDENBOSCH	B1	Q2	20	-	-	2
NUTR1004-1	<i>Advances in Nutrition and Gastrointestinal tract biology II</i> (english language) - Joëlle COLLIGNON, Jean DELWAIDE, Nathalie ESSER, Guy JERUSALEM, Edouard LOUIS, Nicolas PAQUOT, Catherine REENAERS - [10h AUTR]	B1	Q2	20	-	[+]	2
NEUR2044-1	<i>Advances in Neurosciences II</i> (english language) - Julie BAKKER, Charlotte CORNIL, Rachelle FRANZEN, AnneSimone PARENT	B1	Q2	55	-	-	5
PHAR2222-1	<i>Advances in Pharmacology and Toxicology II</i> (english language) - Corinne CHARLIER, Julien HANSON - [15h AUTR]	B1	Q2	35	-	[+]	5

SBIM2008-1	<i>Advances in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTET, Nor Eddine SOUNNI - [15h AUTR]	B1	Q2	35	-	[+]	5
LABO0433-3	<i>Advances in Morphological Methodology</i> (english language) - Sandra ORMESE	B1	Q2	20	-	-	2
IMMU0524-1	<i>Advances in Immunology and Vaccinology II</i> (english language) - Andy CHEVIGNÉ, Laurence DELACROIX, Nathalie JACOBS - [10h AUTR]	B2	Q1	20	-	[+]	3

B. Multidisciplinary English (B1 : 27Cr, B2 : 3Cr)

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.]	B1	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.]	B1	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.]	B1	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.]	B1	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.]	B1	Q2	10	10	[+]	4
SBIM0499-1	<i>Thematic seminars</i> (english language) - Pierre CLOSE - [20h SEM]	B2	Q1	-	-	[+]	3

Professional Focus in Quality Assurance (B1 : 27Cr, B2 : 3Cr)

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	B1	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	B1	Q1	15	-	-	3
QUAL0438-2	<i>Good Manufacturing Practices (GMP)</i> (english language) - Eric CLAESSENS, Lucas FOTSING, Philippe HUBERT, Roland MARINI DJANG'EING'A	B1	Q2	10	10	-	1
QUAL0430-3	<i>Quality assurance systems in clinical biology</i> - Etienne CAVALIER	B1	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	B1	Q2	7	-	-	2
QUAL0435-2	<i>Microbiological quality assurance of the environment</i> - Sébastien BONTEMS	B1	Q2	10	15	-	3
ESHY0057-2	<i>General safety organization</i> - Emmanuelle DINON, Christine GRIGNET, Anne GROGNA	B1	Q2	14	-	-	2

QUAL0439-2	<i>Chemical quality assurance of the environment</i> - Gauthier EPPE	B1	Q2	18	-	-	3
QUAL0434-2	<i>Validation of quantitative analysis methods</i> - Philippe HUBERT, Roland MARINI DJANG'EING'A	B1	Q2	10	5	-	2
QUAL0725-1	<i>Managing data integrity</i> - Cédric HUBERT	B1	Q2	5	5	-	1
QUAL0432-2	<i>Quality Assurance for IT systems</i> - Marc DENHAM	B1	Q2	5	-	-	1
INFO9007-1	<i>Advanced Programming</i> (english language) - AnneFrançoise DONNEAU	B1	Q2	10	20	-	4
QUAL0431-1	<i>Internal and external audits</i> - Ahmed IGOUT	B2	Q1	10	20	-	3

Professional focus in clinical research management (B1 : 23Cr, B2 : 7Cr)

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	B1	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.]	B1	Q1	13	-	[+]	1
SBIM2006-1	<i>Pathophysiology</i> (english language) - François JOURET, Hernan VALDESOCIN	B1	Q1	30	-	-	3
SBIM2007-1	<i>Clinical trials of Medical Devices</i> (english language) - Philippe MORIMONT	B1	Q1	20	10	-	3
INFO9005-1	<i>Bioinformatic Skills</i> (english language) - Christophe POULET	B1	Q1	10	20	-	2
SBIM2009-1	<i>Patient and Researcher Interplay</i> (english language) - Marie DAUVRIN	B1	Q2	20	-	-	3
SBIM2010-1	<i>Intellectual Property and Patent</i> (english language) - Evelyne GRIDELET	B1	Q1	20	-	-	2
SBIM2011-1	<i>Writing and Reading skills</i> (english language) - Sabine WISLET	B1	Q2	15	30	-	3
SBIM2012-1	<i>Biomarkers and surrogate markers in clinical research</i> (english language) - Dominique DE SENY	B1	Q2	25	10	-	3
SBIM2013-1	<i>Evidence Based Medicine</i> (english language) - Régis RADERMECKER	B1	Q2	10	-	-	1
HULG9520-1	<i>Clinical Study Management</i> (english language) - Marc ANDRÉ, Yves GEYSSELS	B2	Q1	20	-	-	3
HULG9512-1	<i>Clinical Research Associate Training</i> (english language) - Jonathan DOUXFILS	B2	Q1	15	-	-	2
HULG9513-1	<i>Clinical Project Management</i> (english language) - Laure DELBECQUE	B2	Q1	15	-	-	2

Professional focus in biomedical data management (B1 : 27Cr, B2 : 3Cr)

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	B1	Q1	30	30	-	6
HULG9508-1	<i>Introduction to operating systems</i> - Seweryn DYNEROWICZ, JeanMarie JACQUET	B1	Q2	15	15	-	3
HULG9509-1	<i>Algorithmics in bio-informatics</i> - JeanMarie JACQUET - [30h AUTR]	B1	Q2	30	30	[+]	8

HULG9510-1	<i>Data analysis</i> - Adrien BIDAL, Benoît FRÉNAV	B1	Q2	30	15	-	4
INFO9007-1	<i>Advanced Programming</i> (english language) - AnneFrançoise DONNEAU	B1	Q2	10	20	-	3
SBIM2016-1	<i>Data Management Process within the clinical and the reporting Process</i> (english language) - Christophe POULET	B1	Q2	20	10	-	3
SBIM2027-1	<i>Medical record</i> - Philippe KOLH	B2	Q1	10	-	-	1
SBIM2028-1	<i>Clinical Data Management and Biobank</i> (english language) - Stéphanie GOFFLOT, Jessica JACQUES	B2	Q1	5	10	-	2

MASTER IN BIOMEDICINE (120 ECTS) (for students enrolled before 2019-2020) (B1 : 60Cr, B2 : 60Cr)

LANG0130-1	<i>Scientific English Practice</i> - Sabine WISLET	B1	Q1	5	25	-	3
COMU0430-3	<i>Communication techniques</i> - - Michael HERFS	B1	TA	10	20	-	2
	-			-	5	-	
SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	B1	Q1	25	10	-	4
BIOL0431-2	<i>Complement of normal and pathological cellular regulation</i> - Yvette HABRAKEN, Laurent NGUYEN, Agnès NOËL	B1	Q1	20	-	-	3
LABO0433-2	<i>Advances in Morphological Methodology</i> (english language) - Sandra ORMENESE	B1	Q1	15	5	-	2
SANG0430-2	<i>Hematology and haemostasis</i> - André GOTHOT	B1	Q1	20	-	-	2
INFO0430-2	<i>Notions of bioinformatics</i> - Olivier PEULEN	B1	Q1	10	10	-	2
GENE0431-1	<i>Complement of genomics</i> - Michel GEORGES	B1	Q1	20	-	-	3
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	2
RADL0440-1	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	B1	Q2	20	10	-	4
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	B1	Q2	20	10	-	3
TOXI0432-1	<i>Complement of toxicology</i> - Raphaël DENOOZ	B1	Q2	10	10	-	2
CHIM0433-1	<i>Proteomics</i> - Marianne FILLET, Gabriel MAZZUCHELLI	B1	Q2	20	10	-	3
NEUR0432-1	<i>Complement of neurobiology</i>	B1	Q2	20	10	-	3
METO0822-1	<i>Introduction to Translational Research</i> (english language) - Stéphane BERGHMANS, François JOURET	B1	Q2	30	-	-	3
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	10	15	-	2
MMEM0440-1	<i>Final thesis</i> - COLLÉGIALITÉ	B2	Q2	-	-	-	28
	Prerequisite : MSTG0430-3 - Stage en laboratoire						

Specific Module

MSTG0430-3	<i>Laboratory placements</i> - COLLÉGIALITÉ	B1	Q2	-	-	-	15
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Optional courses (B1 : 4Cr, B2 : 30Cr)

Choose one of the following courses : (B1 : 2Cr)

BIOC0210-5	<i>Enzymology</i> - André MATAGNE - [10h Mon. WS]	B1	Q1	20	-	[+]	2
BIOC0709-4	<i>Bioenergetics</i> - Pierre CARDOL, Fabrice FRANCK	B1	Q1	20	-	-	2
BIOC0725-1	<i>Stem cells</i> (english language) - Renaud VANDENBOSCH	B1	Q1	20	-	-	2
BIOC0720-1	<i>Structural biology</i> - Paulette CHARLIER, Christian DAMBLON - [15h Mon. WS]	B1	Q1	25	-	[+]	2

Choose one of the following courses : (B1 : 2Cr)

BIOC0722-1	<i>Application of spectroscopic techniques to the study of folding</i>	B1	Q2	20	-	[+]	2
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	<i>and stability of proteins</i> - André MATAGNE - [10h Mon. WS]								
CHIM0687-1	<i>Introduction to protein NMR</i> - Christian DAMBLON - [10h Mon. WS]	B1	Q2	10	-	[+]	2		
CHIM0688-1	<i>Biological mass spectrometry</i> - Loïc QUINTON - [5h Mon. WS]	B1	Q2	15	-	[+]	2		
BIOL2029-1	<i>Introduction to clinical biology</i> - Etienne CAVALIER, Corinne CHARLIER, André GOTHOT, MariePierre HAYETTE	B1	Q2	20	-	-	2		

Choose one focus from the following : (B2 : 30Cr)

Research Focus (B2 : 30Cr)

Choose one option from the following : (B2 : 1Nbr)

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 (B2 : 30Cr)

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	B2	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	B2	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	B2	Q1	10	-	-	8		
NUTR1001-1	<i>Food - Health</i> - Véronique DELCENSERIE, MarieLouise SCIPPO	B2	Q1	20	-	-	3		
Corequisite :									
SBIM0436-1 - Technologie des denrées alimentaires, législation et étiquetage									
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	B2	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	B2	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	B2	Q1	4	-	-	2		
Corequisite :									
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	B2	Q1	10	5	-	1		
SBIM0439-1	<i>Bibliographic Research (english language)</i> - Nathalie JACOBS, Christel PEQUEUX	B2	Q2	-	-	-	4		

B. Biological analyses - Coordinator : Etienne Cavalier (B2 : 30Cr)

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	B2	Q1	10	5	-	3
MICR0431-2	<i>Clinical microbiology</i>	B2	Q1	15	10	-	3
IMMU0430-1	<i>Immunoassay</i> - Benaïssa ELMOUALI	B2	Q1	5	10	-	3
SBIM0450-1	<i>Complement of clinical chemistry</i> - Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	B2	Q1	15	10	-	4
SBIM0451-2	<i>Molecular diagnosis</i> - Frédéric LAMBERT	B2	Q1	15	25	-	4
SBIM0452-1	<i>Cellular and molecular biology of acute and chronic inflammation</i> - Alain CHARLOT	B2	Q1	15	-	-	3
SBIM0453-1	<i>Complement of haematology</i> - André GOTHOT Prerequisite : SANG0430-2 - Hématologie et hémostase	B2	Q1	15	-	-	3
SBIM0454-1	<i>Monitoring renal pathologies</i> - Etienne CAVALIER Prerequisite : CHIM0440-2 - Chimie clinique	B2	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	B2	Q1	10	5	-	1
SBIM0439-1	<i>Bibliographic Research (english language)</i> - Nathalie JACOBS, Christel PEQUEUX	B2	Q2	-	-	-	4

C. Pharmacology and toxicology - Coordinator : Julien Hanson (B2 : 30Cr)

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	B2	Q1	30	-	-	4
EPID0430-1	<i>Methodology of Clinical Trials</i> - Régis RADERMECKER	B2	Q1	10	-	-	2
EPID0441-1	<i>Pharmaco-epidemiology and Pharmaco-economics</i> - Olivier ETHGEN	B2	Q1	10	-	-	2
TOXI0441-1	<i>Experimental Toxicology</i> Prerequisite : TOXI0432-1 - Compléments de toxicologie	B2	Q1	10	-	-	2
METO0441-1	<i>Methodology of Pharmaceutical Research</i> - Pierre FRANCOTTE	B2	Q1	15	10	-	3
SBIM0460-1	<i>Introduction to the Pharmaceutical Technology</i> - Géraldine PIEL	B2	Q1	15	10	-	3
BIOL2025-1	<i>Medical and pharmaceutical applications in molecular biology</i> - Alain CHARLOT	B2	Q1	10	-	-	2
SBIM0461-1	<i>Radiomarking and the medical and experimental use of tracers</i>	B2	Q1	10	-	-	2
SBIM0462-1	<i>Pharmacology and addiction clinic</i> - Emmanuel PINTO	B2	Q1	10	-	-	2
SBIM0463-1	<i>Biocompatibility of implants and biomaterials</i> - Christian GRANDFILS	B2	Q1	25	-	-	3
SBIM0437-5	<i>Regulatory framework for (bio)safety and biorisk management in research and development facilities (english language)</i>	B2	Q1	10	5	-	1

language) - Christine GRIGNET, Anne GROGNA, Willy ZORZI

SBIM0439-1 *Bibliographic Research* (english language) - Nathalie JACOBS, Christel PEQUEUX B2 Q2 - - - 4

D. Neurosciences - Coordinator : Rachele Franzen (B2 : 30Cr)

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

SBIM0470-1 *Principles of neuroendocrinology* B2 Q1 20 - - 3

SBIM0472-1 *In vivo methodology in neuroscience* - Rachele FRANZEN B2 Q1 20 - - 3

Prerequisite :

SBIM0486-2 - Méthodologies expérimentales des animaux vivants

LANG0130-1 - Pratique de l'anglais scientifique

SBIM0473-1 *Functional neuro-anatomy in vertebrates* - Rachele FRANZEN B2 Q1 30 - - 3

Prerequisite :

NEUR0432-1 - Compléments de neurobiologie

SBIM0474-1 *Biophysics and molecular biology of ion channels* - Lucien BETTENDORFF, Dominique ENGEL, Vincent SEUTIN B2 Q1 20 - - 3

NEUR0190-1 *Neurology* - Eric SALMON B2 Q1 20 10 - 4

Prerequisite :

NEUR0432-1 - Compléments de neurobiologie

LANG0130-1 - Pratique de l'anglais scientifique

PSYC0908-1 *Introduction to behavioral Neuroscience* (english language) - Julie BAKKER B2 Q1 20 - - 3

SBIM0477-1 *Functional imagery in humans* - Gaëtan GARRAUX, Gilles VANDEWALLE B2 Q1 16 4 - 3

SBIM0437-5 *Regulatory framework for (bio)safety and biorisk management in research and development facilities* (english language) - Christine GRIGNET, Anne GROGNA, Willy ZORZI B2 Q1 10 5 - 1

SBIM0001-1 *Neuro-inflammation and neuroimmunology* - Laurence DELACROIX, Virginie NEIRINCKX B2 Q1 15 - - 3

SBIM0439-1 *Bibliographic Research* (english language) - Nathalie JACOBS, Christel PEQUEUX B2 Q2 - - - 4

F. Oncology and immunology - Coordinator : Agnès Noël (B2 : 30Cr)

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

SBIM0480-2 *Anatomical pathology of tumours* - Jorge ARRESE ESTRADA B2 Q1 15 15 - 4

SBIM0481-2 *Molecular and cellular oncology* - Yvette HABRAKEN, Agnès NOËL - [35h SEM] B2 Q1 15 - [+] 6

Prerequisite :

BIOL0431-2 - Compléments de régulation cellulaire normale et pathologique

SBIM0482-2 *Vaccination* - Laurence DELACROIX, N... - [15h SEM] B2 Q1 10 5 [+] 4

SBIM0483-1 *Cytokine chemokine signalling* - Andy CHEVIGNÉ - [5h SEM] B2 Q1 10 - [+] 3

SBIM0484-1 *Immunology of tumours* - Nathalie JACOBS - [10h SEM] B2 Q1 10 - [+] 3

SBIM0492-1 *Preclinical cancer models* - Denis MOTTET - [10h SEM] B2 Q1 5 - [+] 3

SBIM0437-5 *Regulatory framework for (bio)safety and biorisk management in research and development facilities* (english language) - Christine GRIGNET, Anne GROGNA, Willy ZORZI B2 Q1 10 5 - 1

SBIM2001-1 *Metabolism of cancer* - Nor Eddine SOUNNI B2 Q1 15 - - 2

SBIM0439-1 *Bibliographic Research* (english language) - Nathalie JACOBS, Christel PEQUEUX B2 Q2 - - - 4

ACOBS, Christel PEQUEUX

F. Multidisciplinary English - Coordinator : Vincent Seutin (B2 : 30Cr)

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.]	B2	Q1	15	15	[+]	4
	Prerequisite : GENE0431-1 - Compléments de génomique BIOL0431-2 - Compléments de régulation cellulaire normale et pathologique						
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.]	B2	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.]	B2	Q1	10	-	[+]	5
	Prerequisite : METO0822-1 - Introduction to Translational Research						
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.]	B2	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.]	B2	Q1	10	20	[+]	4
SBIM0499-1	<i>Thematic seminars</i> (english language) - Pierre CLOSE - [20h SEM]	B2	Q1	-	-	[+]	5

Professional Focus in Quality Assurance (B2 : 30Cr)

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

Coordinator : Philippe HUBERT

QUAL0431-1	<i>Internal and external audits</i> - Ahmed IGOUT	B2	Q1	10	20	-	3
QUAL0432-1	<i>Quality Assurance for IT systems</i> - Marc DENHAM	B2	Q1	5	-	-	1
QUAL0433-1	<i>Organisation and quality assurance in a trial laboratory</i> - Philippe HUBERT, Joëlle WIDART	B2	Q1	5	10	-	3
QUAL0434-1	<i>Validation of quantitative analysis methods</i> - Philippe HUBERT, Roland MARINI DJANG'EING'A	B2	Q1	10	10	-	2
QUAL0435-1	<i>Microbiological quality assurance of the environment</i>	B2	Q1	10	15	-	3
QUAL0436-4	<i>Quality assurance linked to foodstuffs</i> - Partim I : aspects chimiques - MarieLouise SCIPPO - Partim II : aspects biologiques - Georges DAUBE	B2	Q1	7,5	-	-	2
ESHY0057-1	<i>General safety organization</i> - Christine GRIGNET, Anne GROGNA	B2	Q1	14	-	-	2
STAT0730-3	<i>Biostatistics, Statistical analysis software</i> - AnneFrançoise DONNEAU, Catherine QUANTIN	B2	Q1	10	16	-	2
GEST0188-1	<i>Determination and recognition of quality and conformity</i> - Common theory - Pierre DEWALLEF	B2	Q1	15	-	-	3

ANAP0120-4	<i>General pathological anatomy</i> - <i>Theory</i> - Philippe DELVENNE - <i>Practical work for biomedicine</i> - Philippe DELVENNE	B0	Q2	20	-	-	-	4
BIOL2029-1	<i>Introduction to clinical biology</i> - Etienne CAVALIER, Corinne CHARLIER, André GOTHOT, MariePierre HAYETTE	B0	Q2	20	-	-	-	2
HISL0220-3	<i>Human histology</i> - Chantal HUMBLET	B0	Q2	20	10	-	-	5