

## First Year

### Compulsory courses

#### Fundamental Sciences : Physics Module

PHYS0111-2 *Physical and mathematical bases for biomedical sciences* - Maryse HOEBEKE - [20h 65 26 [+] 11  
QA Sess., 20h REM]

#### Fundamental Sciences : Chemistry Module

CHIM0112-3 *Chemistry preparing to medical and dentistry sciences* - Jean-François FOCANT - [24h 65 24 [+] 11  
QA Sess., 10h REM]

#### Module Basic Sciences - Biology

BIOL0113-5 *General preparatory biology for biomedical and dental sciences, including introduction to molecular biology and human anatomy, general embryology and general genetics* 23  
- *Biologie générale préparatoire aux sciences biomédicales et dentaires, incluant l'introduction à la biologie moléculaire* - Vincenzo CASTRONOVO - [20h QA Sess.] 65 40 [+] 8  
- *Embryologie générale* - Jean-Pierre SCHAAPS 10 - -  
- *Génétiq ue générale* - Vincent BOURS 10 - -  
- *Introduction à l'anatomie humaine* - Pierre BONNET 30 20 -

#### Module Health and Society

SANT0110-2 *Psycho-social Dimensions of Health* - Philippe MAIRIAUX 17 - - 2  
STAT0110-1 *Biostatistics I* - Adelin ALBERT - Suppl : Paul GÉRARD 15 10 - 3  
EPID0110-2 *Basis of Epidemiology* - Jean-Yves REGINSTER 8 - - 2  
PHIL0110-1 *Epistemology of Health Sciences* - Vinciane DESPRET 15 - - 2  
URGC0110-2 *First Aid* - Gary HARTSTEIN - [4h QA Sess.] 4 7 [+] 1

#### Transversal Module

APPR0111-3 *Training in transdisciplinary approaches to biomedical problems* 5  
- *English* - Christine FILOT, ISLV - 24 -  
- *Scientific steps (including French and training technique)* - Adelin ALBERT, Pierre BONNET, Vincent BOURS, Vincenzo CASTRONOVO, Michel DELHAXHE, Vinciane DESPRET, Christine FILOT, Jean-François FOCANT, Gary HARTSTEIN, Maryse HOEBEKE, Philippe MAIRIAUX, Jean-Yves REGINSTER, Jean-Pierre SCHAAPS 10 30 -

## Second Year

### First semester

#### Compulsory courses

#### Module General Biomedics

BIOC0120-1 *General biochemistry* - Bernard REGISTER - [5h SEM] 30 10 [+] 4  
PHYL0120-1 *General physiology* - Bernard REGISTER - [5h SEM] 30 10 [+] 3  
GENE0120-2 *Normal and pathological huma biochemistry and physiology, partim molecular genetics* - Vincent BOURS - [5h SEM] 10 10 [+] 2  
IMMU0121-3 *General Immunology* - Michel MOUTSCHEN - [5h SEM] 15 - [+] 2  
MICR0120-8 *General Microbiology* - Patrick DE MOL - [5h SEM] 20 10 [+] 3  
HISL0120-4 *General histology and alternative experimentation methods that do not use animals* - Ernst HEINEN - [5h SEM] 20 24 [+] 3

NEUR0431-1 *Introduction to neurosciences* - Thierry GRISAR 15 - - 2

The seminars concerning learningf the integration of knowledge (AIC) are compulsory and will take place in the 1st semester- Vincent BOURS, Patrick DEMOL, Ernst HEINEN, Thierry GRISAR, Michel MOUTSCHEN, Bernard REGISTER.

#### Module Health and Society

PSYC0120-1 *Introduction to medical psychology* - Georges HOUGARDY 15 - - 2

#### Module Learning

APPR0120-1 *Learning techniques (Partim II)* - Françoise PASLEAU 15 30 - 4  
LANG0071-1 *English II* - Pascale DRIANNE, Christine FILOT, ISLV 15 - - 2

#### Specific Module

PHYS0121-1 *Physical bases for medical imaging* - Maryse HOEBEKE - 15 - 2

### Second semester

#### Compulsory courses

**Module The Normal Body and the general principles of Pathology**

ANAP0120-2	<i>General pathological anatomy</i> - Jacques BONIVER, Philippe DELVENNE	22	-	-	<b>3</b>
GENE0121-2	<i>Special medical genetics</i> - Vincent BOURS	14	-	-	<b>2</b>

**Courses by module**

(Anatomy, Systematic and Topographic Anatomy, Pathological Anatomy, Biochemical Pathology, Embryology, Genetics, Histology, Microbiology, Pharmacology, Physiology, Pathological Physiology, Semiology)

CAVS0120-4	<i>Multidisciplinary approach to the cardiovascular system</i> - Pierre BONNET, Jean-Pierre BOURGUIGNON, Alain CARLIER, Vincenzo D'ORIO, Ernst HEINEN, Luc PIERARD, Marc RADERMECKER, Jean-Pierre SCHAAPS - [15h PBL]	23	-	[+]	<b>5</b>
RESP0120-4	<i>Multidisciplinary approach to the respiratory system</i> - Pierre BONNET, Jean-Pierre BOURGUIGNON, Alain CARLIER, Vincenzo D'ORIO, Ernst HEINEN, Renaud LOUIS, Marc RADERMECKER, Jean-Pierre SCHAAPS - [15h APP]	18	-	[+]	<b>5</b>
REIN0120-4	<i>Multidisciplinary approach to the nephrology and urinary system</i> - Pierre BONNET, Jean-Pierre BOURGUIGNON, Alain CARLIER, Didier CATALDO, Ernst HEINEN, Jean-Marie KRZESINSKI, Jean-Pierre SCHAAPS - [15h APP]	16	-	[+]	<b>5</b>
IMMU0120-4	<i>Multidisciplinary approach to the blood system</i> - Ernst HEINEN, Philippe KOLH - [9h APP]	8	-	[+]	<b>4</b>
DERM0121-4	<i>Multidisciplinary approach to the cutaneous system</i> - Didier CATALDO, Ernst HEINEN, Arjen NIKKELS	6	-	-	<b>2</b>

**Module Learning**

APPR0122-3	<i>Techniques of multidisciplinary training per problem of the cardiovascular, respiratory, néphro-urinary, hematologic and cutaneous apparatuses - Integration of knowledge</i> - Jacques BONIVER, Pierre BONNET, Jean-Pierre BOURGUIGNON, Vincent BOURS, Alain CARLIER, Didier CATALDO, Vincenzo D'ORIO, Patrick DE MOL, Thierry GRISAR, Ernst HEINEN, Philippe KOLH, Michel MOUTSCHEN, Jean-Pierre SCHAAPS, Jean SCHOENEN, Vincent SEUTIN - [11h QA Sess.]	-	-	[+]	<b>2</b>
MEDE0120-3	<i>Multidisciplinary practical work (anatomy, histology, general pathological anatomy) of the cardiovascular, respiratory, néphro-urinary, hematologic and cutaneous apparatuses and seminars in preparation to the training nursing courses including the introduction</i> - Jacques BONIVER, Pierre BONNET, Christian BOUFFIOUX, Philippe BOXHO, Alain CARLIER, Philippe DELVENNE, Ernst HEINEN, Michel JACQUART, Michel MEURISSE, Michel MOUTSCHEN, Marc RADERMECKER - [8h SEM]	76	[+]		<b>3</b>

**Third Year**

First semester

**Compulsory courses**

**Module The Normal Body and the general principles of Pathology**

RBIO0130-1	<i>Radiobiology - radioprotection</i> - Jacques BONIVER, Véra PIRLET	6	-	-	<b>2</b>
PHAC0130-1	<i>General pharmacology</i> - Vincent SEUTIN	20	-	-	<b>3</b>

**Courses by module**

(Anatomy, Systematic and Topographic Anatomy, Pathological Anatomy, Biochemical Pathology, Embryology, Genetics, Histology, Microbiology, Pharmacology, Physiology, Pathological Physiology, Semiology)

DIGT0130-3	<i>Multidisciplinary approach to the digestive system</i> - Pierre BONNET, Jean-Pierre BOURGUIGNON, Alain CARLIER, Didier CATALDO, Ernst HEINEN, Edouard LOUIS, Jean-Pierre SCHAAPS - [21h APP]	14	-	[+]	<b>7</b>
PHYL0131-3	<i>Multidisciplinary approach of the metabolic and endocrinal systems</i> - Pierre BONNET, Jean-Pierre BOURGUIGNON, Alain CARLIER, Ernst HEINEN, Philippe KOLH, Nicolas PAQUOT, Jean-Pierre SCHAAPS - [21h APP]	15	-	[+]	<b>5</b>
SEXL0130-3	<i>Multidisciplinary approach to the genital system</i> - Pierre BONNET, Jean-Pierre BOURGUIGNON, Alain CARLIER, Jean-Michel FOIDART, Ernst HEINEN, Philippe KOLH, Michelle NISOLLE, Jean-Pierre SCHAAPS - [18h APP]	17	-	[+]	<b>6</b>

**Module Learning**

APPR0131-2	<i>Techniques of multidisciplinary training per problem of the digestive, genital, metabolic and endocrinal systems - Integration of knowledge</i> - Jacques BONIVER, Pierre BONNET, Jean-Pierre BOURGUIGNON, Vincent BOURS, Alain CARLIER, Didier CATALDO, Vincenzo D'ORIO, Patrick DE MOL, Jean-Michel FOIDART, Thierry GRISAR, Ernst HEINEN, Philippe KOLH, Michel MOUTSCHEN, Nicolas PAQUOT, Eric SALMON, Jean-Pierre SCHAAPS, André SCHEEN,	-	-	[+]	<b>2</b>
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	CHOENEN, Vincent SEUTIN - [14h QA Sess.]				
MEDE0131-3	<i>Multidisciplinary practical work (anatomy, histology) of the digestive and genital systems, and of the metabolic and endocrinous systems</i> - Pierre BONNET, Alain CARLIER, Ernst HEINEN	-	51	-	2
<b>Module Health and Society</b>					
PSYC0130-2	<i>Introduction to psychopathology</i> - Georges HOUGARDY		18	-	3
Second semester					
<b>Compulsory courses</b>					
<b>Module The Normal Body and the general principles of Pathology</b>					
<b>Transversal Courses</b>					
MICR0130-3	<i>Medical microbiology</i> - Patrick DE MOL		20	12	4
<b>Courses by module</b>					
(Anatomy, Systematic and Topographic Anatomy, Pathological Anatomy, Biochemical Pathology, Embryology, Genetics, Histology, Microbiology, Pharmacology, Physiology, Pathological Physiology, Semiology)					
NERF0130-3	<i>Multidisciplinary approach to the nervous system</i> - Thierry GRISAR, Ernst HEINEN, Gustave MOONEN, Jean-Pierre SCHAAPS, Jean SCHOENEN, Vincent SEUTIN - [27h APP]		17	-	[+] 9
LOCO0130-4	<i>Multidisciplinary approach to the musculoskeletal system</i> - Alain CARLIER, Philippe GILLET, Ernst HEINEN, Philippe KOLH, Jean-Pierre SCHAAPS - [10h SEM, 5h APP]		18	-	[+] 5
IMMU0130-3	<i>Multidisciplinary approach to the immunological system</i> - Jacques BONIVER, Patrick DE MOL, Ernst HEINEN, Michel MOUTSCHEN - [9h APP]		6,5	-	[+] 3
PHYL0130-2	<i>Multidisciplinary approach to homeostasis</i> - Jean-François BRICHANT, Vincenzo D'ORIO, Thierry GRISAR, Philippe KOLH - [12h APP]		6	-	[+] 4
<b>Module Learning</b>					
APPR0001-2	<i>Techniques of multidisciplinary training per problem of the nervous and immunological systems, of the locomotor apparatus and homeostasis - Integration of knowledge</i> - Jacques BONIVER, Pierre BONNET, Jean-Pierre BOURGUIGNON, Vincent BOURS, Alain CARLIER, Didier CATALDO, Vincenzo D'ORIO, Patrick DE MOL, Pierre FIRKET, Didier GIET, Philippe GILLET, Thierry GRISAR, Ernst HEINEN, Philippe KOLH, Michel MOUTSCHEN, Jean-Pierre SCHAAPS, Jean SCHOENEN, Vincent SEUTIN - [12h QA Sess.]		-	-	[+] 2
MEDE0001-3	<i>Multidisciplinary practical work (anatomy, neuroanatomy, histology, reanimation) of the nervous and immunological systems and of the locomotor apparatus and homeostasis and training nursing courses</i> - Jean-François BRICHANT, Alain CARLIER, Philippe GILLET, Ernst HEINEN, Michel MEURISSE, Jean SCHOENEN - [120h Internship]		57	-	[+] 3