

## First Year

### Compulsory courses

#### Module Basic Sciences

##### Physics

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

##### Chemistry

CHIM0112-2 *Chemistry preparing to medical and dentistry sciences* - Jean-François FOCANT - [20h QA Sess., 10h REM] 65 24 [+] **11**

##### Biology

BIOL0113-3 *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 - Suppl : Akeila BELLAHCENE - [20h QA Sess.] 65 40 [+]

- *Embryologie générale* - Jean-Pierre SCHAAPS 10 - -

- *Génétique générale* - Vincent BOURS 10 - -

- *Introduction à l'anatomie humaine* - Pierre BONNET - [20h QA Sess.] 30 - [+]

#### Module Health and Society

SANT0726-1 *Module on health and society covering: biostatistics, epidemiology and introduction to the social role of health professionals, epistemology of health sciences and primary care* **10**

- *Biostatistique I* - Adelin ALBERT - Suppl : Paul GÉRARD 15 10 -

- *Epidémiologie et introduction au rôle social des professions de la santé* - Philippe MAIRIAUX, Jean-Yves REGINSTER 25 - -

- *Epistémologie des sciences de la santé* - Vinciane DESPRET 15 - -

- *Premiers secours* - N... - Suppl : Jean-François BRICHANT 5 10 -

#### Transversal Module

APPR0111-2 *Training in transdisciplinary approaches to biomedical problems* **5**

- *English* - Christine FILOT, ISLV 2 18 -

- *Scientific steps (including French and training technique)* - Adelin ALBERT, Pierre BONNET, Vincent BOURS, Vincenzo CASTRONOVO, Michel DELHAXHE, Vinciane DESPRET, Maryse HOEBEKE, Christine JÉRÔME, Philippe MAIRIAUX, Marielle MARÉCHAL, N..., Jean-Yves REGINSTER, Jean-Pierre SCHAAPS - Suppl : Jean-François BRICHANT 10 30 -

## Second Year

### First semester

#### Compulsory courses

##### Module General Biomedics

BIOC0120-1 *General biochemistry* - N... - Suppl : Bernard ROGISTER - [5h SEM] 30 10 [+] **4**

PHYL0120-1 *General physiology* - N... - Suppl : Bernard ROGISTER - [5h SEM] 30 10 [+] **3**

GENE0120-2 *Normal and pathological human 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 learning the integration of knowledge (AIC) are compulsory and will take place in the 1st

quadrimester - Vincent BOURS, Patrick DEMOL, Ernst HEINEN, Thierry GRISAR, Michel MOUTSCHEN, Bernard ROGISTER.

**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 *General pathological anatomy* - Jacques BONIVER, Philippe DELVENNE 22 - - 3

GENE0121-2 *Special medical genetics* - Vincent BOURS 14 - - 2

**Courses by module**

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

**Collegial** : Jacques Boniver, Pierre Bonnet, Jean-Pierre Bourguignon, Vincent Bours, Alain Carlier, Vincent D'Orio, Patrick De Mol, Jean-Michel Foidart, Vincent Geenen, Philippe Gillet, Thierry Grisar, Ernst Heinen, Edouard Louis, Renaud Louis, Michel Meurisse, Gustave Moonen, Michel Moutschen, Nicolas Paquot, Luc Pierard, Jean-Pierre Schaaps, André Scheen, Jean Schoenen, Vincent Seutin, Arjen Nikkels, Jean-François Brichant.

CAVS0120-4 *Multidisciplinary approach to the cardiovascular system* - COLLÉGIALITÉ - [15h PBL] 23 - [+] 5

RESP0120-4 *Multidisciplinary approach to the respiratory system* - COLLÉGIALITÉ - [15h APP] 18 - [+] 5

REIN0120-4 *Multidisciplinary approach to the nephritic and urinary system* - Didier CATALDO, COLLÉGIALITÉ - [15h APP] 16 - [+] 5

IMMU0120-4 *Multidisciplinary approach to the blood system* - COLLÉGIALITÉ, Philippe KOLH - [9h 8 APP] - [+] 4

DERM0121-4 *Multidisciplinary approach to the cutaneous system* - Didier CATALDO, COLLÉGIALITÉ 6 - - 2

**Module Learning**

APPR0122-3 *Techniques of multidisciplinary training per problem of the cardiovascular, respiratory, néphro-urinary, hematologic and cutaneous apparatuses - Integration of knowledge* - Jacques BONIVER, Pierre BONNET, Jean-Pierre BOURGUIGNON, Vincent BOURS, Alain CARLIER, Didier CATALDO, Vincenzo D'ORIO, Patrick DE MOL, Pierre FIRKET, Didier GIET, Thierry GRISAR, Ernst HEINEN, Philippe KOLH, Michel MOUTSCHEN, Arjen NIKKELS, Jean-Pierre SCHAAPS, Jean SCHOENEN, Vincent SEUTIN - [11h QA Sess.] - - [+] 2

MEDE0120-3 *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* - Jacques BONIVER, Pierre BONNET, Christian BOUFFIOUX, Philippe BOXHO, Alain CARLIER, Philippe DELVENNE, Ernst HEINEN, Michel JACQUART, Michel MEURISSE, Michel MOUTSCHEN - [8h SEM] - 76 [+] 3

**Third Year**

First semester

**Compulsory courses**

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

RBIO0130-1 *Radiobiology - radioprotection* - Jacques BONIVER, Véra PIRLET 6 - - 2

PHAC0130-1 *General pharmacology* - Vincent SEUTIN 20 - - 3

**Courses by module**

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

**Collegial** : Jacques Boniver, Pierre Bonnet, Jean-Pierre Bourguignon, Vincent Bours, Alain Carlier, Vincent D'Orio, Patrick De Mol, Jean-Michel Foidart, Vincent Geenen, Philippe Gillet, Thierry Grisar, Ernst Heinen, Edouard Louis, Renaud Louis, Michel Meurisse, Gustave Moonen, Michel Moutschen, Nicolas Paquot, Luc Pierard, Jean-Pierre Schaaps, André Scheen, Jean Schoenen, Vincent Seutin, Arjen Nikkels, Jean-François Brichant.

DIGT0130-3 *Multidisciplinary approach to the digestive system* - COLLÉGIALITÉ - Suppl : Didier CATALDO - [21h APP] 14 - [+] 7

PHYL0131-3 *Multidisciplinary approach of the metabolic and endocrinal systems* - COLLÉGIALITÉ, 15 - [+] 5  
Philippe KOLH - Suppl : Nicolas PAQUOT - [21h APP]

SEXL0130-3 *Multidisciplinary approach to the genital system* - COLLÉGIALITÉ - Suppl : 17 - [+] 6  
Nicolas PAQUOT - [18h APP]

#### Module Learning

APPR0131-2 *Techniques of multidisciplinary training per problem of the digestive, genital, metabolic and endocrinal systems - Integration of knowledge* - Jacques BONIVER, Pierre BONNET, Jean-Pierre BOURGUIGNON, Vincent BOURS, Alain CARLIER, Vincenzo D'ORIO, Patrick DE MOL, Pierre FIRKET, Jean-Michel FOIDART, Didier GIET, Thierry GRISAR, Ernst HEINEN, Michel MOUTSCHEN, Eric SALMON, Jean-Pierre SCHAAPS, André SCHEEN, Jean SCHOENEN, Vincent SEUTIN - Suppl : Didier CATALDO, Nicolas PAQUOT - [14h QA Sess.] - - [+] 2

MEDE0131-3 *Multidisciplinary practical work (anatomy, histology) of the digestive and genital systems, and of the metabolic and endocrinous systems* - Pierre BONNET, Alain CARLIER, Ernst HEINEN - - 51 - 2

#### Module Health and Society

PSYC0130-2 *Introduction to psychopathology* - Georges HOUGARDY 18 - - 3

Second semester

#### Compulsory courses

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

##### Transversal Courses

MICR0130-3 *Medical microbiology* - Patrick DE MOL 20 12 - 4

##### Courses by module

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

**Collegial** : Jacques Boniver, Pierre Bonnet, Jean-Pierre Bourguignon, Vincent Bours, Alain Carlier, Vincent D'Orio, Patrick De Mol, Jean-Michel Foidart, Vincent Geenen, Philippe Gillet, Thierry Grisar, Ernst Heinen, Edouard Louis, Renaud Louis, Michel Meurisse, Gustave Moonen, Michel Moutschen, Nicolas Paquot, Luc Pierard, Jean-Pierre Schaaps, André Scheen, Jean Schoenen, Vincent Seutin, Arjen Nikkels, Jean-François Brichant.

NERF0130-3 *Multidisciplinary approach to the nervous system* - COLLÉGIALITÉ - [27h APP] 17 - [+] 9

LOCO0130-4 *Multidisciplinary approach to the musculoskeletal system* - COLLÉGIALITÉ, Philippe KOLH - [10h SEM, 5h APP] 18 - [+] 5

IMMU0130-3 *Multidisciplinary approach to the immunological system* - COLLÉGIALITÉ - [9h APP] 6,5 - [+] 3

PHYL0130-2 *Multidisciplinary approach to homeostasis* - COLLÉGIALITÉ, Philippe KOLH - [12h APP] 6 - [+] 4

#### Module Learning

Multidisciplinary learning techniques according to nervous system, immunological, musculoskeletal system and homeostasis problems - Integration of knowledge

APPR0001-2 *Techniques of multidisciplinary training per problem of the nervous and immunological systems, of the locomotor apparatus and homeostasis - Integration of knowledge* - 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 *Multidisciplinary practical work (anatomy, neuroanatomy, histology, reanimation) of the nervous and immunological systems and of the locomotor apparatus and homeostasis and training nursing courses* - Pierre BONNET, Alain CARLIER, Ernst HEINEN, Michel MEURISSE, Jean SCHOENEN - [120h Internship] 57 - [+] 3