

## First Year

### Compulsory courses

#### Fundamental Sciences : Physics Module

PHYS0311-1 *Physical and mathematical bases for biomedical sciences* - Serge HABRAKEN - [20h QA Sess., 20h REM] 65 30 [+] 13

#### Fundamental Sciences : Chemistry Module

CHIM0310-5 *Chemistry preparing to biomedical and pharmaceutical sciences* - Christine JÉRÔME - [20h QA Sess., 20h REM] 60 20 [+] 12

#### Module Basic Sciences - Biology

BIOL0314-1 *General biology, preparatory to pharmaceutical sciences, including introduction to molecular biology and human anatomy, general embryology and general genetics* 85 40 [+] 18  
 - *General biology preparing to pharmaceutical sciences, including introduction to molecular biology, general embryology and general genetics* - Vincenzo CASTRONOVO - [20h QA Sess.]  
 - *Introduction to human anatomy* - Pierre BONNET 20 10 -

#### Module Learning

APPR0110-2 *Learning techniques (Part I)* - Françoise PASLEAU 5 10 - 1  
 LANG0905-1 *English I (english language)* - Pascale DRIANNE, Christine FILOT, ISLV - 24 - 2

#### Module Health and Society

SANT0110-2 *Psycho-social Dimensions of Health* - Philippe MAIRIAUX 17 - - 2  
 STAT0110-1 *Biostatistics I* - Adelin ALBERT 15 10 - 3  
 EPID0110-2 *Basis of Epidemiology* - Olivier BRUYÈRE, JeanYves REGINSTER 8 - - 2  
 PHIL0110-1 *Epistemology of Health Sciences* - Vinciane DESPRET 15 - - 2  
 URGC0110-3 *First Aid* - Gary HARTSTEIN 2 4 - 1

#### Specific Module

PHAR0714-1 *Introduction to pharmaceutical sciences* - Patrick HERNÉ 10 - - 2  
 PHYS0321-2 *Spectroscopy analysis and medical imaging : physical basis* - Maryse HOEBEKE 20 - - 2

## Second Year

First semester

### Compulsory courses

#### Module General Biomedics

BIOC0320-5 *General biochemistry* - Lucien BETTENDORFF - [6h SEM] 25 10 [+] 4  
 PHYL0320-4 *General physiology* - Didier CATALDO - [6h SEM] 20 5 [+] 3  
 IMMU0320-2 *General immunology* - Catherine SADZOT - [6h SEM] 15 - [+] 2  
 MICR0120-9 *General microbiology* - MariePierre HAYETTE, Pierrette MELIN - [6h SEM] 16 10 [+] 3  
 SBIM0489-1 *General virology* - Nathalie JACOBS 7 - - 1  
 NEUR0431-1 *Introduction to neurophysiology* - Gaëtan GARRAUX 15 - - 2

The seminars concerning learning of the integration of knowledge (AIC) are compulsory and will take place in the 1st quadrimester - Didier CATALDO, Gaëtan GARRAUX, Marie-Pierre HAYETTE, Pierrette MELIN, Catherine SADZOT.

#### Module Health and Society

PSYC0120-1 *Introduction to medical psychology* - JeanMarc TRIFFAUX 15 - - 2

#### Module Learning

APPR0120-4 *Learning techniques (Part II)* - Françoise PASLEAU 15 20 - 3  
 LANG0074-1 *English II (english language)* - Christine FILOT, Ellen HARRY 30 - - 4

#### Specific Module

CHIM0311-6 *Elements of mineral and organic chemistry to drug analysis and drug design -* 40 28 [+] 7  
JeanFrançois LIÉGEOIS - [10h QA Sess.]

Second semester

**Compulsory courses**

**Module Biomedics**

BIOL0320-2 *Molecular Biology - Jacques PIETTE* 30 - - 4  
HISL0542-1 *Introduction to histology - MariePaule DEFRESNE - [6h SEM]* 20 - [+] 3  
BIOC0708-1 *Biochemistry and normal and pathological human physiology of the cardiovascular and respiratory systems - Vincenzo D'ORIO* 30 10 - 4  
PATH0330-2 *Introduction to general pathology - Jorge ARRESE ESTRADA, Vincent BOURS, JeanOlivier DEFRAIGNE, Michel MOUTSCHEN, N... - [10h SEM]* 20 - [+] 4

**Specific Module**

CHIM0320-3 *Introduction to analytical chemistry - Philippe HUBERT* 30 - - 4  
CHIM0321-3 *Practical exercises - Introduction to analytical chemistry - Philippe HUBERT* - 100 - 5  
BOTA0320-1 *Botanical introduction to pharmacognosy, partim A: notions of systematics - Gabriel CASTILLO CABELLO* 15 15 - 3  
BOTA0321-2 *Botanical introduction to pharmacognosy, part B : biotechnology and mycology - Gabriel CASTILLO CABELLO, Jacques DOMMES* 15 - - 2

**Third Year**

First semester

**Compulsory courses**

**Module Analysis and Technology**

CHIM0330-3 *Analytical chemistry (Part I) - Philippe HUBERT* 15 56 - 5

**Module Pharmacology**

CHIM0332-2 *Medicinal chemistry (Part I) - Bernard PIROTTE* 38 36 - 8  
PHAR0331-3 *Pharmacognosy (Part I) - Michel FREDERICH - [5h SEM]* 23 36 [+] 6

**Module Pharmaco-toxology**

PHAR0370-1 *Pharmacokinetics - Corinne CHARLIER, Géraldine PIEL* 10 - - 1  
PHAC0130-7 *General pharmacology - Vincent SEUTIN - [7h SI]* 20 - [+] 3

**Module Biomedics**

BIOC9236-2 *Biochemistry and normal and pathological human physiology - Endocrinian system and metabolism - Philippe KOLH* 20 - - 3

Second semester

**Compulsory courses**

**Module Analysis and Technology**

PHAR2019-1 *Integrated work - Brigitte EVRARD, Marianne FILLET, Pierre FRANCOITTE, Michel FREDERICH, Philippe HUBERT, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Monique TITS, Eric ZIEMONS - [60h LBOPS]* - - [+] 6

PHAR0330-2 *Physico-chemical principles applied to pharmaceutical technology - Brigitte EVRARD - [5h SEM]* 20 - [+] 4

CHIM0331-3 *Analytical chemistry (Part II) - Philippe HUBERT* 15 - - 2

**Module Pharmacology**

CHIM0333-2 *Medicinal chemistry (Part II) - Bernard PIROTTE - [10h SEM]* 37 - [+] 7  
PHAR0332-2 *Pharmacognosy (Part II) - Michel FREDERICH - [2h SEM]* 25 20 [+] 5

**Module Biomedics**

MICR0717-1 *Medical and pharmaceutical microbiology* 5

- *Medical microbiology - MariePierre HAYETTE* 12 6 -

- *Pharmaceutical microbiology - Pierrette MELIN* 14 6 -

SBIM0490-1 *Special virology - Nathalie JACOBS* 8 - - 1

BIOC9237-1 *Biochemistry and normal and pathological human physiology - nervous system - Gaëtan GARRAUX* 20 - - 3

**Module Health and Society**

SANT0330-1 *Contextual approach to treatment and prevention - Philippe MAIRIAUX* 10 - - 1