

## First Year

First semester

### Compulsory courses

#### Module : Analyse et technologie

PHAR0343-3	<i>Pharmaceutical technology and biopharmacy</i> - Brigitte EVRARD - [5h SEM]	30	-	[+]	4
PHAR0344-2	<i>Analysis of drugs (Partim I)</i> - Jacques CROMMEN	25	30	-	5

#### Module Pharmaco-toxology

PHAC0341-2	<i>Special pharmacology (Partim I)</i> - Vincent SEUTIN	25	-	-	3
TOXI0341-1	<i>Clinical Toxicology and adverse drug events monitoring (Partim I)</i> - Corinne CHARLIER - [12,5h SEM]	25	-	[+]	5

#### Module Biomedics

BIOC0340-1	<i>Pathological biochemistry, including clinical chemistry (Partim I)</i> - Jean-Paul CHAPELLE - [12,5h SEM]	22,5	-	[+]	4
PATH0340-1	<i>Additional issues in physiopathology</i> - Vincenzo D'ORIO	15	-	-	2
NUTR0341-1	<i>Nutrition</i> - Jacques RIGO	15	-	-	2

#### Module Health and Society

ECON0340-1	<i>Pharmacoeconomy</i> - Jean-Pierre DELPORTE	10	-	-	1
COMU0340-1	<i>Communication Strategy</i> - Véronique SERVAIS - [10h SEM]	-	-	[+]	1

Second semester

### Compulsory courses

#### Module Analysis and Technology

PHAR0345-2	<i>Analysis of drugs (Partim II)</i> - Jacques CROMMEN - [30h SEM]	20	-	[+]	5
PHAR0347-2	<i>Pharmaceutical Technology an Biopharmacy: experimental training</i> - Brigitte EVRARD	-	90	-	4

#### Module Pharmaco-toxology

PHAC0342-2	<i>Special pharmacology (Partim II)</i> - Vincent SEUTIN	20	-	-	3
TOXI0342-1	<i>Clinical Toxicology and adverse drug events monitoring (Partim II)</i> - Corinne CHARLIER - [12,5h SEM]	25	-	[+]	4

#### Module Biomedics

BIOC0341-1	<i>Pathological biochemistry, including clinical chemistry (Partim II)</i> - Jean-Paul CHAPELLE - [12,5h SEM]	22,5	-	[+]	4
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#### Module Santé et société

LEGI0340-2	<i>Pharmaceutical legislation and deontology</i> - Patrick HERNÉ - [5h SEM]	25	-	[+]	4
PSYC0340-1	<i>Psychology of the patient</i> - Georges HOUGARDY - [5h SEM]	10	-	[+]	2
SANT0340-1	<i>Principles in the followup of pharmaceutical care</i> - N... - Suppl : Christian ELSÉN	10	-	-	1

#### Module Humans with Diseases / Illnesses

##### Cours par module

(Eléments de sémiologie et pathologie, biochimie pathologique, anatomie pathologique, compléments de physiopathologie, génétique médicale, pharmacologie spéciale, chimie pharmaceutique, pharmacognosie, technologie pharmaceutique et biopharmacie, chimie toxicologique)

CAVS0340-1	<i>Approche multidisciplinaire des pathologies cardio-vasculaires, digestives et respiratoires</i> - Luc ANGENOT, Jacques BONIVER, Vincent BOURS, Jean-Paul CHAPELLE, Corinne CHARLIER, Vincenzo D'ORIO, Jean-Olivier DEFRAIGNE, Brigitte EVRARD, Michel MOUTSCHEN, Bernard PIROTTE, Vincent SEUTIN, Monique TITS, Thierry VAN HEES - [60h APP]	-	-	[+]	6
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##### Deux visites de laboratoires

Un voyage didactique est organisé de la semaine de carnaval

First semester

### Compulsory courses

#### Module : Analyse et technologie

PHAR0343-3	<i>Pharmaceutical technology and biopharmacy</i> - Brigitte EVRARD - [5h SEM]	30	-	[+]	4
PHAR0344-2	<i>Analysis of drugs (Partim I)</i> - Jacques CROMMEN	25	30	-	5

#### Module Pharmaco-toxology

PHAC0341-2	<i>Special pharmacology (Partim I)</i> - Vincent SEUTIN	25	-	-	3
TOXI0341-1	<i>Clinical Toxicology and adverse drug events monitoring (Partim I)</i> - Corinne CHARLIER - [12,5h SEM]	25	-	[+]	5

**Module Biomedics**

BIOC0340-1	<i>Pathological biochemistry, including clinical chemistry (Partim I)</i> - Jean-Paul CHAPELLE - [12,5h SEM]	22,5	-	[+]	4
PATH0340-1	<i>Additional issues in physiopathology</i> - Vincenzo D'ORIO	15	-	-	2
NUTR0341-1	<i>Nutrition</i> - Jacques RIGO	15	-	-	2
ECON0340-1	<i>Pharmacoeconomy</i> - Jean-Pierre DELPORTE	10	-	-	1
COMU0340-1	<i>Communication Strategy</i> - Véronique SERVAIS - [10h SEM]	-	-	[+]	1

Second semester

**Compulsory courses**

**Module Analysis and Technology**

PHAR0345-2	<i>Analysis of drugs (Partim II)</i> - Jacques CROMMEN - [30h SEM]	20	-	[+]	5
PHAR0347-2	<i>Pharmaceutical Technology and Biopharmacy: experimental training</i> - Brigitte EVRARD	-	90	-	4

**Module Pharmaco-toxology**

PHAC0342-2	<i>Special pharmacology (Partim II)</i> - Vincent SEUTIN	20	-	-	3
TOXI0342-1	<i>Clinical Toxicology and adverse drug events monitoring (Partim II)</i> - Corinne CHARLIER - [12,5h SEM]	25	-	[+]	4

**Module Biomedics**

BIOC0341-1	<i>Pathological biochemistry, including clinical chemistry (Partim II)</i> - Jean-Paul CHAPELLE - [12,5h SEM]	22,5	-	[+]	4
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**Module Santé et société**

LEGI0340-2	<i>Pharmaceutical legislation and deontology</i> - Patrick HERNÉ - [5h SEM]	25	-	[+]	4
PSYC0340-1	<i>Psychology of the patient</i> - Georges HOUGARDY - [5h SEM]	10	-	[+]	2
SANT0340-1	<i>Principles in the followup of pharmaceutical care</i> - N... - Suppl : Christian ELSÉN	10	-	-	1

**Module Humans with Diseases / Illnesses**

**Cours par module**

(Eléments de sémiologie et pathologie, biochimie pathologique, anatomie pathologique, compléments de physiopathologie, génétique médicale, pharmacologie spéciale, chimie pharmaceutique, pharmacognosie, technologie pharmaceutique et biopharmacie, chimie toxicologique)

CAVS0340-1	<i>Approche multidisciplinaire des pathologies cardio-vasculaires, digestives et respiratoires</i> - Luc ANGENOT, Jacques BONIVER, Vincent BOURS, Jean-Paul CHAPELLE, Corinne CHARLIER, Vincenzo D'ORIO, Jean-Olivier DEFRAIGNE, Brigitte EVRARD, Michel MOUTSCHEN, Bernard PIROTTE, Vincent SEUTIN, Monique TITS, Thierry VAN HEES - [60h APP]	-	-	[+]	6
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**Deux visites de laboratoires**

**Un voyage didactique est organisé de la semaine de carnaval**

Pratique officinale, conseil et suivi pharmaceutique

**Second Year (perspectives 2008-2009)**

**Finalité spécialisée en pratique officinal, conseil et suivi pharmaceutique**

First semester

**Compulsory courses**

MICR0350-1	<i>Management of anti-infective drugs (microbiology)</i>	10	-	-	2
PHAR0353-1	<i>Complements of biopharmacy and pharmacokinetics</i>	10	-	-	2
INFO0351-1	<i>Computerised management of the pharmacy</i>	10	-	-	2
PHAR0352-1	<i>Phytotherapy and food supplements containing herbs,</i>	10	-	-	2
SANT0350-1	<i>Heavy home care (including palliative care)</i>	10	-	-	2

**Optional courses**

Un cours à choisir parmi :

PHAR0356-1	<i>Industrial Pharmacotechnics including BPF</i>	10	-	-	2
PHAR0354-1	<i>Structural determination of organic compounds</i>	10	-	-	2
BIOL0350-1	<i>Pharmaceutical applications of molecular biology</i>	10	-	-	2
PHAR0355-1	<i>Complements of drug analysis in complex media</i>	10	-	-	2

CHIM0350-1	<i>Strategies and tools used in the design and the development of new drugs</i>	10	-	-	2
MEDE0350-1	<i>Critical approach to homeopathy</i>	10	-	-	2
VETE0350-1	<i>Veterinary Drug Delivery</i>	10	-	-	2
GYNE0350-1	<i>Medicines, pregnancy and breast feeding</i>	10	-	-	2
DERM0350-1	<i>Dermopharmacy</i>	10	-	-	2

**L'étudiant doit choisir un stage et un complément de cours associé à la discipline scientifique choisie. Ce stage comprend la rédaction d'un rapport de stage devant être défendu publiquement.**

#### Pharmacognosy

PHAR0358-1	<i>Period of instruction in the laboratory of pharmacognosy - [225h Internship]</i>	-	-	[+]	15
PHAR0359-1	<i>Complements of pharmacognosy</i>	15	-	-	3

#### Mycology

BOTA0350-1	<i>Internship: Mycology - [225h Internship]</i>	-	-	[+]	15
BOTA0351-1	<i>Complement of mycology</i>	15	-	-	3

#### Pharmacology

PHAC0350-1	<i>Training course: Pharmacology - [225h Internship]</i>	-	-	[+]	15
PHAC0351-1	<i>Complement of pharmacology</i>	15	-	-	3

#### Clinical Toxicology

TOXI0351-1	<i>Training course: Clinical toxicology - [225h Internship]</i>	-	-	[+]	15
TOXI0352-1	<i>Complements of clinical toxicology</i>	15	-	-	3

#### Pharmaceutical chemistry

CHIM0351-1	<i>Training : medicinal chemistry - [225h Internship]</i>	-	-	[+]	15
CHIM0352-1	<i>Complements of medicinal chemistry</i>	15	-	-	3

#### Analytical Chemistry

CHIM0353-1	<i>Training course: Analytical chemistry - [225h Internship]</i>	-	-	[+]	15
CHIM0354-1	<i>Complements of analytical chemistry</i>	15	-	-	3

#### Clinical Pharmacy

PHAR0361-1	<i>Practical training: Clinical Pharmacy - [225h Internship]</i>	-	-	[+]	15
PHAR0360-1	<i>Complementary course in clinical pharmacy</i>	15	-	-	3

#### Medical Chemistry

CHIM0355-1	<i>Training course: Medical chemistry - [225h Internship]</i>	-	-	[+]	15
CHIM0356-1	<i>Complements of clinical chemistry</i>	15	-	-	3

#### Pharmaceutical Technology

PHAR1350-1	<i>Training course: Pharmaceutical technology - [225h Internship]</i>	-	-	[+]	15
PHAR1351-1	<i>Complement of pharmaceutical technology</i>	15	-	-	3

#### Analysis of Medicines

PHAR1352-1	<i>Training course: Analysis of drugs - [225h Internship]</i>	-	-	[+]	15
PHAR1353-1	<i>Complements of drug analysis</i>	15	-	-	3

#### Microbiology

MICR0351-1	<i>Internship : Microbiology - [225h Internship]</i>	-	-	[+]	15
MICR0352-1	<i>More of microbiology</i>	15	-	-	3

Second semester

#### Compulsory courses

MSTG0350-1	<i>Stage officinal</i>	-	-	-	<b>28</b>
APPR0160-2	<i>Séminaires d'apprentissage à la résolution de problèmes complexes - [30h LBOPS]</i>	-	-	[+]	<b>2</b>

*Notice* : Les étudiants doivent effectuer ou terminer un stage officinal d'une durée légale de six mois. Ce stage comprend la rédaction d'un cahier de stage (TFE). Il peut commencer à l'issue de la réussite du 3e BAC et se poursuivre pendant les vacances situées entre la 1re et la 2e année de Master en Science pharmaceutiques.

Conception et développement du médicament - bioanalyse

## Second Year (perspectives 2008-2009)

First semester

### Compulsory courses

PHAR0356-1	<i>Industrial Pharmacotechnics including BPF</i>	10	-	-	<b>2</b>
PHAR0354-1	<i>Structural determination of organic compounds</i>	10	-	-	<b>2</b>
BIOL0350-1	<i>Pharmaceutical applications of molecular biology</i>	10	-	-	<b>2</b>
PHAR0355-1	<i>Complements of drug analysis in complex media</i>	10	-	-	<b>2</b>
CHIM0350-1	<i>Strategies and tools used in the design and the development of new drugs</i>	10	-	-	<b>2</b>

### Optional courses

Choose one of the following courses :

MICR0350-1	<i>Management of anti-infective drugs (microbiology)</i>	10	-	-	<b>2</b>
PHAR0353-1	<i>Complements of biopharmacy and pharmacokinetics</i>	10	-	-	<b>2</b>
INFO0351-1	<i>Computerised management of the pharmacy</i>	10	-	-	<b>2</b>
PHAR0352-1	<i>Phytotherapy and food supplements containing herbs,</i>	10	-	-	<b>2</b>
SANT0350-1	<i>Heavy home care (including palliative care)</i>	10	-	-	<b>2</b>
MEDE0350-1	<i>Critical approach to homeopathy</i>	10	-	-	<b>2</b>
VETE0350-1	<i>Veterinary Drug Delivery</i>	10	-	-	<b>2</b>
GYNE0350-1	<i>Medicines, pregnancy and breast feeding</i>	10	-	-	<b>2</b>
DERM0350-1	<i>Dermopharmacy</i>	10	-	-	<b>2</b>

**L'étudiant doit choisir un stage et un complément de cours associé à la discipline scientifique choisie. Ce stage comprend la rédaction d'un rapport de stage devant être défendu publiquement.**

### Pharmacognosy

PHAR0358-1	<i>Period of instruction in the laboratory of pharmacognosy - [225h Internship]</i>	-	-	[+]	<b>15</b>
PHAR0359-1	<i>Complements of pharmacognosy</i>	15	-	-	<b>3</b>

### Mycology

BOTA0350-1	<i>Internship: Mycology - [225h Internship]</i>	-	-	[+]	<b>15</b>
BOTA0351-1	<i>Complement of mycology</i>	15	-	-	<b>3</b>

### Pharmacology

PHAC0350-1	<i>Training course: Pharmacology - [225h Internship]</i>	-	-	[+]	<b>15</b>
PHAC0351-1	<i>Complement of pharmacology</i>	15	-	-	<b>3</b>

### Clinical Toxicology

TOXI0351-1	<i>Training course: Clinical toxicology - [225h Internship]</i>	-	-	[+]	<b>15</b>
TOXI0352-1	<i>Complements of clinical toxicology</i>	15	-	-	<b>3</b>

### Pharmaceutical chemistry

CHIM0351-1	<i>Training : medicinal chemistry - [225h Internship]</i>	-	-	[+]	<b>15</b>
CHIM0352-1	<i>Complements of medicinal chemistry</i>	15	-	-	<b>3</b>

### Analytical Chemistry

CHIM0353-1	<i>Training course: Analytical chemistry - [225h Internship]</i>	-	-	[+]	<b>15</b>
CHIM0354-1	<i>Complements of analytical chemistry</i>	15	-	-	<b>3</b>
<b>Clinical Pharmacy</b>					
PHAR0361-1	<i>Practical training: Clinical Pharmacy - [225h Internship]</i>	-	-	[+]	<b>15</b>
PHAR0360-1	<i>Complementary course in clinical pharmacy</i>	15	-	-	<b>3</b>
<b>Medical Chemistry</b>					
CHIM0355-1	<i>Training course: Medical chemistry - [225h Internship]</i>	-	-	[+]	<b>15</b>
CHIM0356-1	<i>Complements of clinical chemistry</i>	15	-	-	<b>3</b>
<b>Pharmaceutical Technology</b>					
PHAR1350-1	<i>Training course: Pharmaceutical technology - [225h Internship]</i>	-	-	[+]	<b>15</b>
PHAR1351-1	<i>Complement of pharmaceutical technology</i>	15	-	-	<b>3</b>
<b>Analysis of Medicines</b>					
PHAR1352-1	<i>Training course: Analysis of drugs - [225h Internship]</i>	-	-	[+]	<b>15</b>
PHAR1353-1	<i>Complements of drug analysis</i>	15	-	-	<b>3</b>
<b>Microbiology</b>					
MICR0351-1	<i>Internship : Microbiology - [225h Internship]</i>	-	-	[+]	<b>15</b>
MICR0352-1	<i>More of microbiology</i>	15	-	-	<b>3</b>
Second semester					
<b>Compulsory courses</b>					
MSTG0350-1	<i>Stage officinal</i>	-	-	-	<b>28</b>
APPR0160-2	<i>Séminaires d'apprentissage à la résolution de problèmes complexes - [30h LBOPS]</i>	-	-	[+]	<b>2</b>
<p><i>Notice : Les étudiants doivent effectuer ou terminer un stage officinal d'une durée légale de six mois. Ce stage comprend la rédaction d'un cahier de stage (TFE). Il peut commencer à l'issue de la réussite du 3e BAC et se poursuivre pendant les vacances situées entre la 1re et la 2e année de Master en Science pharmaceutiques.</i></p>					