

Study mobility at Lille Faculty of Pharmacy

Guide to create your pedagogical project

There are different types of exchange mobilities at the *Faculty of Pharmacy of Lille*; here are the 3 main ones:

- Theoretical courses only
- Laboratory or hospital clerkships only
- Theoretical courses and laboratory clerkships(s)/hospital clerkships combined

If you are a non-Erasmus student and your home institution asks you to formalise your mobility programme through a study contract, please use our template in **Annex I**.

→**Important:** For regulatory reasons, no document external to the Faculty, with the exception of the official documents of the Erasmus+ programme, **can be signed, neither by our institution, by the Lille University Hospital, nor by the laboratories.**

→ Hospital clerkships:

Contact details:

Central Pharmacy
Public Health, Pharmacy and Pharmacology Unit
Head of Department: Pr SOBASZEK Annie
Head of Department: Pr ODOU Pascal

Prof. Nicolas SIMON
Head of hospital internships
Faculty of Pharmacy

The duration of hospital clerkships vary according to the year of study of the courses you wish to follow.

| | |
|---|--|
| 2^e année | |
| Stage officinal d'initiation | Durée 4 semaines après les examens du 2 nd semestre |
| Stage optionnel de découverte du milieu professionnel | Durée variable, dans le cadre de l'UE Projet d'orientation professionnelle |
| 3^e année | |
| Stage d'application des enseignements coordonnés | Durée 2 semaines pendant le 2 nd semestre |
| Stage des enseignements librement choisis d'orientation professionnelle | Durée 4 à 8 semaines selon la filière au cours du 2 nd semestre |
| Stage optionnel de découverte du milieu professionnel | Durée variable, dans le cadre de l'UE Projet d'orientation professionnelle |
| 4^e année | |
| Stage d'application des enseignements coordonnés | Durée 2 semaines pendant le 2 nd semestre |
| Stage de la filière industrie | Sauf si réalisé en 3A (ELC) Durée 4 à 8 semaines – au S2 |
| Stage optionnel de découverte du milieu professionnel | Durée variable, dans le cadre de l'UE Projet d'orientation professionnelle |
| 5^e année | |
| Stages hospitaliers | Durée équivalente à 4 à 6 mois temps plein selon les filières |
| Stage industrie application | Durée 3 mois à la fin du 2 nd semestre |



→ Laboratory clerkships:

The duration of clerkships in a laboratory is limited to a maximum of 2 months unless there is an agreement with the host laboratory.

List of laboratories

Please see the external link of the laboratories for more information:

Joint Research Unit

- ✓ **UMR1008 ADDS (Advanced Drug Delivery Systems)** (Director Juergen SIEPMANN)
- ✓ **UMR1011 Nuclary Receptors, Metabolic and Cardiovascular Diseases** (Director Bart STAELS)
- ✓ **UMR 1019/9017 Lille Centre for Infection and Immunity** (Director Jean DUBUISSON)
- ✓ **UMR 1167 RID-AGE (Risk factors and molecular determinants of age-related diseases)** (Director Philippe AMOUYEL)
- ✓ **UMR 1172 Lille Neuroscience and Cognition** (director Luc BUÉE)
- ✓ **UMR 1177 M2SV (Medicines and molecules for acting on living systems)** (director Benoit DEPRez)
- ✓ **UMR1189 OncoThAI (Laser and Immunotherapy Assisted Therapies for Oncology)** (Director Nadira DELHEM)
- ✓ **UMR1190 Translational Research on Diabetes** (Director François PATTOU)
- ✓ **UMR 1277 / UMR 9020 Heterogeneity, plasticity and resistance to therapies in cancers - CANTHER (Cancer heterogeneity, plasticity and resistance to therapies)** (director Isabelle VAN SEUNINGEN)
- ✓ **UMR 1283/8199 (Epi) Functional Genomics and Molecular Physiology of Diabetes and Associated Diseases** (Director Philippe FROGUEL)
- ✓ **UMR 1286 INFINITE (Institute for Translational Research in Inflammation)** (director Laurent DUBUQUOY)



Labelled Research Unit

- ✓ **ERL 2694 METRICS - Health Technology and Medical Practice Assessment** (Director Jean-Baptiste BEUSCART)
- ✓ **ULR 3610 Virology Laboratory "Viral Pathogenesis"** (Director Didier HOBBER)
- ✓ **URL 4490 MABLab (Marrow Adiposity & Bone Laboratory)** (Director Christophe CHAUVEAU)
- ✓ **ULR 7364 RADEME : Developmental abnormalities : genetics, regulation and proteomics** (director Jamal GHOUIMID)
- ✓ **URL 7365 GRITA - Research group on injectable forms and associated technologies** (Director Pascal ODOU)
- ✓ **ULR 7367 Medico-Legal Taphonomy and Anatomy Unit - UTMLA** (Director Valéry HÉDOUIN)
- ✓ **URL 7369 URePSSS (Pluridisciplinary Research Unit Sport, Health, Society)** (Director Serge BERTHOIN)

→ **Theoretical courses:**

You can only choose one full year of training and take all your courses in that same year, like a French student.

You can choose to take the 2nd, 3rd or 4th year courses. Laval University students can choose to take the 1st semester courses of the 5th year (Dispensary sector only).

International students at the *Lille Faculty of Pharmacy* can follow all the courses below:



SECOND YEAR

| | Discipline | Number of hours | ECTS credits |
|-------------------------------------|--|-----------------|--------------|
| 1 st semester | 1.1 Training in basic professional skills | | |
| | Certificate of training in emergency care | 9 | 3 |
| | Digital literacy. Preparation for PIX certification | 15 | |
| | Introduction to quality assurance | 4 | |
| | Microscopy | 3 | |
| | Measurement quality, hygiene and safety | 12 | |
| | 1.2 Career planning | | - |
| | Support module for acquisition of learning methods | 6.5 | |
| | POP project | 5.5 | |
| | 2.1 Biological sciences | | 12 |
| | Biochemistry | 43.5 | |
| | Biology of prokaryotes, viruses & basic virology | 20.5 | |
| | Hematology | 30 | |
| | Plant and Fungal Sciences | 15 | |
| | 3.1 Pathways to active drug substances | | 6 |
| | Inorganic chemistry | 10 | |
| | Organic chemistry | 19 | |
| | Pharmacognosy | 12 | |
| | 3.2 Formulation, manufacturing control and biopharmaceutical aspects of medicines | | 6 |
| | Biomathematics | 13 | |
| Biophysics | 12.5 | | |
| Analytical chemistry | 29.5 | | |
| Pharmacotechnics and Galenics | 26 | | |
| Pharmaceutical Reference Frameworks | 5 | | |
| 4.1 Free choice courses* | Between 25 and 30 | 3 | |

| | | | |
|----------------------------------|---|------|----|
| 2 nd semester | 1.1 Training in basic professional skills | | - |
| | Certificate of training in emergency care | 9 | |
| | 1.2 Expression, tools and methods of communication | | 3 |
| | English | 24 | |
| | Communication | 9.5 | |
| | 1.3 Career planning | | - |
| | POP project | | |
| | Work experience course to discover the professional world | | |
| | 1.4 Introductory course in pharmacy practice | | - |
| | Preparation for the induction course | 1.5 | |
| | Introductory course in pharmacy | - | |
| | 2.1 Biological sciences | | 12 |
| | Animal biology | 15.5 | |
| | Cellular and molecular biology | 33.5 | |
| | Immunology | 31 | |
| | Physiology | 49 | |
| | 3.1 Pathways to active drug substances | | 3 |
| | Organic chemistry | 20 | |
| | 3.2 Pharmacological sciences | | 3 |
| | Pharmacology | 55.5 | |
| | Toxicology | 6 | |
| | 3.3 Life cycle and pharmaceutical circuit | | 3 |
| | Health product circuit | 2.5 | |
| | Clinical Pharmacy | 8 | |
| | Statistics - clinical trial | 2 | |
| | 3.4 Formulation, manufacturing and biopharmaceutical aspects of medicines | | 3 |
| | Good manufacturing & preparation practices | 4.5 | |
| Galenic pharmacy and biopharmacy | 26.5 | | |
| 4. Free choice courses*. | Between 25 and 30 | 3 | |

***Free choice courses, semester I and II:**

Bioinorganic chemistry applied to drugs (25h)

Genetics (25.5h)

Research (30h)

Remediation

Modern organic chemistry applied to the synthesis of drugs (25h)

Introduction to drug control (25h)

Vision and hearing (25h)

Mathematical tools for pharmaceutical disciplines (25h)

Environmental health (25h)

Health Botany (25h)

General ecology (25h)

Natural products, resources, techniques, evaluation (25h)

***Please note that this list is subject to change**

THIRD YEAR

| | Discipline | Number of hours | ECTS Credits |
|---|--|-----------------|--------------|
| 1 st semester | 1.1 Biochemistry and Physiology | | 6 |
| | Biochemistry | 19 | |
| | Physiology | 37 | |
| | 1.2 Immunology, hematology, bacteriological diagnostics, virology, mycology | | 6 |
| | Bacteriological diagnosis | 22 | |
| | Hematology | 21 | |
| | Immunology - hypersensitivity and immune tolerance | 16.5 | |
| | Mycology | 9 | |
| | 2.1 Active ingredient and pharmacology | | 6 |
| | Therapeutic chemistry | 26.5 | |
| | Pharmacognosy | 30 | |
| | Pharmacology - Pharmacokinetics | 17 | |
| | Vaccine production and antiseptics | 3 | |
| | Blood products and derivatives | 5 | |
| | 2.2 Treatment strategies - iatrogeny and toxicity | | 6 |
| Compliance and home care | 5 | | |
| Galenic pharmacy | 24 | | |
| Pharmacology | 8 | | |
| Toxicology | 10 | | |
| Vaccination and biotherapies | 11 | | |
| 3.1 Statistical approach and method validation | | 3 | |
| Microbiological control of health products | 4 | | |
| IT in the pharmacy | 6 | | |
| Quality - Traceability of health products | 12.5 | | |
| Statistics | 27 | | |
| 4. Free choice courses*. | | 3 | |

| | | | |
|--|---|----------|-----------|
| 2 nd semester | 1.1 Management and administration | | 3 |
| | Management and administration (classroom) | 11 | |
| | Management and administration (remote) | 8 | |
| | 2.1 Public health | | 3 |
| | Basics of epidemiology (prerequisite for internship, classroom) | 4 | |
| | Basics of epidemiology (prerequisite for internship, remote) | 2 | |
| | Health system and public health. General and specific teaching (prerequisites for health service and internship, classroom) | 19 | |
| | Health system and public health. General and specific teaching (prerequisites for health service and internship, remote) | 1 | |
| | 2.2 Communication and scientific and regulatory monitoring | | 3 |
| | General and specialised English | 24 | |
| | Communication and team building techniques | 5 | |
| | Literature search | 1.5 | |
| | 3.1 Coordinated teaching | | 18 |
| | Therapeutic chemistry | 3 | |
| | Pain - Inflammation | 27 | |
| | Infectiology - level 1 (classroom) | 23.5 | |
| | Infectiology - level 1 (remote) | 4 | |
| | Cardiovascular diseases | 49.5 | |
| | Central nervous system drugs - neurological aspects | 18 | |
| | Nutrition and metabolic diseases (pre-requisite for health service) | 45.5 | |
| Expert patients | 11 | | |
| Women's health | 36.5 | | |
| Internship for the application of coordinated teaching | - | | |
| Free choice courses*. | Between 24 and 30 | 3 | |

| * Free choice courses: |
|--|
| 1 st semester: |
| Law - Pharmacy |
| Officine 1 (25h) |
| Industry 1 (24h) |
| Internship 1 (27h) |
| 2 ^{ème} semester: |
| Officine 1 (25h) |
| Chronobiology and health (22.5h) |
| Research (25h) |
| Military pharmacy (25h) |
| History of Pharmacy (25h) |
| Industry 1 (24h) |
| Internship 1 (27h) |
| Law-Pharmacy |
| Officine 2 (internship) |
| Industry 2 (25h) |
| Internship 2 |
| plasmids and phages: "one health" approach and therapeutic development (25h) |

*Please note that this list is subject to change

| FOURTH YEAR (CORE CURRICULUM) | | | |
|---|---|-----------------|--------------|
| | Discipline | Number of hours | Credits ECTS |
| 1 st semester | 1.1 Clinical and biological semiology | | 6 |
| | Biochemistry | 6 | |
| | Mycology | 10 | |
| | Parasitology (classroom) | 43.5 | |
| | Parasitology (remote) | 8.5 | |
| | 1.2 Chemistry, biotechnology, pharmacology of active substances | | 6 |
| | Therapeutic chemistry | 31 | |
| | Clinical pharmacy | 19 | |
| | Pharmacokinetics (biopharmacy) | 10 | |
| | Pharmacokinetics (pharmacology) | 10 | |
| | 1.3 Iatrogenesis, toxicity and addiction | | 6 |
| | Pharmacology | 14 | |
| | Toxicology | 39.5 | |
| | 2.1 Regulations and ethics | | 3 |
| | Regulation and ethics | 28 | |
| | 2.2 Health Service Training 2 | | 3 |
| | Public health and health policy | 25 | |
| | 2.3 Therapeutic Education | | 3 |
| | Therapeutic education | 18 | |
| | 2.4 Expression, tools and methods of communication | | 3 |
| | English | 18 | |
| | C2i level 2-PIX | 5 | |
| | 2.5 Career Guidance Project | | - |
| | optional work placement(s) to discover the professional world | 1 (TD) | |
| | 3.1 Coordinated teaching | | 15 |
| | Therapeutic chemistry | 1.5 | |
| | Gastroenterology | 44.5 | |
| Immuno-hematology | 28.5 | | |
| Infectiology | 23.5 | | |
| Bronchopulmonary diseases | 29.5 | | |
| Central nervous system drugs | 25 | | |
| Oncology | 37 | | |
| Coordinated Teaching Application Course | - | | |
| Treatment strategies - expert patients | 10 | | |
| Virology Envirtual (classroom) | 8 | | |
| Virology Envirtual (remote) | 10 | | |

Please choose one of the three proposed sectors.

| | INDUSTRY/RESEARCH SECTOR | Number of hours | Credits ECTS |
|--------------------------|---|-----------------|--------------|
| 1 st semester | 1.1 Non-clinical research/registration of health products | | 6 |
| | Corporate finance | 12 | |
| | Quality approach in Research & Development | 6 | |
| | Non-clinical toxicological development | 11 | |
| | Analytical pharmaceutical development | 6 | |
| | Galenic pharmaceutical development | 8 | |
| | Registration dossier of the medicinal product | 10 | |
| | Mathematical tools for R&D and engineering | 3 | |
| | Preclinical research strategy and EMA (European Medicines Agency's) dossiers | 16 | |
| | 2. Free choice courses | | - |
| | 2.1 Industrial strategies-business model | 48 | 6 |
| | 2.2 Case studies - Scientific, policy or regulatory aspects | 48 | 6 |
| | Chemical aspects of drug development | 48 | 6 |
| | Formulation, production of dermo-cosmetic products | 38 | 6 |
| 3.1 Internship | | - | |

| | DISPENSARY SECTOR | Number of hours | Credits ECTS |
|--|--|-----------------|--------------|
| 1 st semester | 1.1 Dispense medicines and other health products | | 3 |
| | Analyse and comment on a prescription | 8 | |
| | Knowing and dispensing medicines or health products | 14 | |
| | Identifying and preventing iatrogenic risk | 4 | |
| | Adjusting dosages and detecting contraindications | 2 | |
| | 1.2 Position complementary therapies in a professional and critical manner | | 3 |
| | Crenotherapy | 2 | |
| | Dispense an aromatherapy product | 7 | |
| | Dispensing a herbal product | 16.5 | |
| | 2.1 Explain the purpose of biological and paraclinical examinations and ensure follow-up | | 3 |
| | Medical imaging tests | 8 | |
| | Biological monitoring | 15.5 | |
| | 3.1 Know the regulations, pharmaceutical legislation and labour law | | 3 |
| | Social law | 7 | |
| | Pharmaceutical legislation social and labour law | 22 | |
| | 4.1 Contribute to first-response actions | | 3 |
| To know, advise and prevent the risk of arthropods in the home | 5 | | |
| Identification of fungi and poisonous plants | 10 | | |

| | INTERNSHIP SECTOR | Number of hours | Credits ECTS |
|--------------------------|---|-----------------|--------------|
| 1 st semester | 1.1 Preparation for the internship exam | | 15 |
| | Bacteriology | 14.5 | |
| | Biochemistry | 21.5 | |
| | Cell Biology | 10.5 | |
| | Biopharmacy | 1.5 | |
| | Biophysics | 10.5 | |
| | Biostatistics | 12.5 | |
| | Analytical chemistry | 28 | |
| | Right | 1 | |
| | Hematology | 10.5 | |
| | Immunology | 4.5 | |
| | Parasitology | 12 | |
| | Pharmacokinetics | 3 | |
| | Pharmacology | 6 | |
| | Public health | 6.5 | |
| | SPRINT (remote) | 6 | |
| | Toxicology | 13.5 | |
| Virology | 4.5 | | |

And only for Laval University students, you can choose to follow the 1st semester courses of the 5th year (Dispensary sector):

| FIFTH YEAR | | | |
|--|--|-----------------|--------------|
| | DISPENSARY SECTOR | Number of hours | Credits ECTS |
| 1 st semester | 1.1 Preparing to take up a hospital post | | 3 |
| | Biology | 2.5 | |
| | Pharmaceutical law | 2 | |
| | Hospital hygiene | 1 | |
| | Advanced therapy medicinal product | 8 | |
| | Methodology (documentary research and tutorial project) | 7 | |
| | Hospital and clinical pharmacy (classroom) | 10.5 | |
| | Hospital and clinical pharmacy (remote) | 4 | |
| | 1.2 University hospital internship | | 27 |
| | 2.1 Promote health-promoting behaviours among targeted populations | | 3 |
| | Health service | 40 | |
| | 2.2 Identify and manage a medical emergency alone or as part of a team | | - |
| | AFGSU level 2 | 6 | |
| | 2.3 Promote vaccination coverage of the population | | - |
| | Know & understand the basics & protocols of vaccination | 1.5 | |
| | Performing the vaccination procedure (classroom) | 3 | |
| | Performing the vaccination procedure (remote) | 6 | |
| | 2.4 Contribute to first resort actions | | 3 |
| | Oral hygiene | 2 | |
| | Preventing and managing health risks | 11 | |
| | Responding to a request for identification of poisonous plants | 11.5 | |
| | Responding to a request for identification of mushrooms | 12 | |
| | Learning situations and assessment | 3 | |
| | 3.1 Dispense medicines and other health products | | 3 |
| | Analyse and comment on a prescription | 11 | |
| | To know, dispense dermo-cosmetology medicines or products | 20 | |
| | Knowing and dispensing medicines or health products | 24.5 | |
| Advise and dispense veterinary medicines or products | 25 | | |
| Preventing, managing, reporting medication errors (Clinical Pharmacy/Galenics) | 2 | | |
| Preventing, managing and reporting medication errors (PDA) (classroom) | 3.5 | | |

| | | |
|---|------|----------|
| Prevent, manage, report medication errors (PDA) (remote) | 2 | |
| 3.2 Position complementary therapies in a professional and critical manner | | 3 |
| Food supplements | 9.5 | |
| Being a health critic | 5 | |
| Homeopathy | 16 | |
| Oligotherapy | 2 | |
| Phytotherapy | 4 | |
| 4.1 Referring and monitoring a patient's care pathway | | 3 |
| Supporting the patient's return home | 1 | |
| Pharmaceutical legislation | 10 | |
| Pharmaceutical and biological observations | 7 | |
| Pharmaceutical monitoring tools | 3.5 | |
| Managing a patient in an interprofessional setting | 4 | |
| Speaking to a patient in English | 18 | |
| 4.2 Integrating a therapeutic patient education programme | | 3 |
| Therapeutic patient education (classroom) | 18 | |
| Therapeutic patient education (remote) | 3 | |
| 5.1 Managing and running a pharmacy | | 6 |
| Developing economic policy | 11.5 | |
| Operational management of a pharmacy | 11.5 | |
| To master the software used in the pharmacy practice | 9 | |
| Quality management in the pharmacy | 9.5 | |
| Specialising in pharmaceutical skills | | 6 |
| Preventing and managing iatrogenic risk | 30 | 3 |
| Knowing, identifying and managing the risks of toxic fungi and plants | 29 | 3 |
| Knowing and dispensing biological medicines and biotherapies | 27 | 3 |
| Counselling a traveller | 23.5 | 3 |
| Responding to a request in dermo-cosmetology | 30 | |
| Managing a patient with an addiction | 30 | 3 |
| Implementing an economic and commercial policy for the pharmacy | 30 | 3 |
| Dispensing herbal products in the pharmacy | 26 | 3 |
| Working in interprofessional settings | 50 | |

You can consult and download the training programmes below, which detail the courses available to you:

2nd year: [Model 2nd year](#)

3rd year: [Model 3rd year](#)

4th year: [Model 4th year](#)

5th year: [Model 5th year, Dispensary sector](#)

Below you will find a table showing the approximate dates* of each semester according to the year of study concerned:

| | PHARMA 2 | PHARMA3 | PHARMA4 | PHARMA5 |
|------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| First Semester | End of August - Mid-December | End of August - Mid-December | End of August - Mid-November | End of August - Early January |
| First semester exams | Early- January | Early- January | Mid- November | Mid-January |
| Second Semester | Mid-January - Mid-May | Mid-January - Early May | End of November - Early June | End of January - Early June |
| Second semester exams | End of May - Early June | Mid- May | Mid-June | Mid- June |



***Please note that changes are possible from one year to the next.** Please note that all courses are taught in French, and that a **minimum level of B1** in French is required to participate.

Attendance is **compulsory in order to** pass the corresponding exams.

→Please note that there is a second examination session during the summer (August/September). This session is intended for students who did not achieve the minimum mark for validation of one or more courses in the first examination session.

Below you will find

ANNEX I: Model study contract (non-Erasmus)



LEARNING AGREEMENT PROGRAMME D'ETUDES

Academic year/ *Année académique*: Cliquez ou appuyez ici pour entrer du texte.

Period of Study/ *Période d'études*: Fall sem. / Spring sem. / Full year

Host Institution/ *Etablissement d'accueil* : Cliquez ou appuyez ici pour entrer du texte.

Country/ *Pays*: Cliquez ou appuyez ici pour entrer du texte.

Student's Last Name/ *Nom de Famille de l'étudiant.e*: Cliquez ou appuyez ici pour entrer du texte.
 First Name/ *Prénom* : Cliquez ou appuyez ici pour entrer du texte.
 Home institution/ *Université d'origine* : Cliquez ou appuyez ici pour entrer du texte.
 Faculty – Department / *Faculté - Département* : Cliquez ou appuyez ici pour entrer du texte.

Details of Proposed Study Abroad Programme / Learning Agreement*: *Détails de la proposition de programme d'études**

| Course Unit Code <i>Code du Cours</i> | Nom du cours <i>Course unit title</i> | Number of Credits <i>Nombre de Crédits</i> |
|---|--|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| * if necessary, add some lines * <i>si nécessaire, ajouter des lignes</i> | | Total |

Student's signature :

Signature de l'étudiant-e

Date : Cliquez ou appuyez ici pour entrer une date.

Home institution / Université d'origine: Cliquez ou appuyez ici pour entrer du texte.
 Name and signature of the responsible person: Cliquez ou appuyez ici pour entrer du texte.
Nom et signature de la personne responsable

Date : Cliquez ou appuyez ici pour entrer une date. Official Stamp

Host institution / Université d'accueil: Cliquez ou appuyez ici pour entrer du texte.
 Name and signature of the responsible person: Cliquez ou appuyez ici pour entrer du texte.
Nom et signature de la personne responsable

Date : Cliquez ou appuyez ici pour entrer une date. Official Stamp