

# 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.

<b>2<sup>e</sup> année</b>	
Stage officinal d'initiation	Durée 4 semaines après les examens du 2 <sup>nd</sup> semestre
Stage optionnel de découverte du milieu professionnel	Durée variable, dans le cadre de l'UE Projet d'orientation professionnelle
<b>3<sup>e</sup> année</b>	
Stage d'application des enseignements coordonnés	Durée 2 semaines pendant le 2 <sup>nd</sup> semestre
Stage des enseignements librement choisis d'orientation professionnelle	Durée 4 à 8 semaines selon la filière au cours du 2 <sup>nd</sup> semestre
Stage optionnel de découverte du milieu professionnel	Durée variable, dans le cadre de l'UE Projet d'orientation professionnelle
<b>4<sup>e</sup> année</b>	
Stage d'application des enseignements coordonnés	Durée 2 semaines pendant le 2 <sup>nd</sup> 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
<b>5<sup>e</sup> année</b>	
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 <sup>nd</sup> 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 GHOU MID)
- ✓ **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 <sup>st</sup> semester	<b>1.1 Training in basic professional skills</b>		
	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	
	<b>1.2 Career planning</b>		-
	Support module for acquisition of learning methods	6.5	
	POP project	5.5	
	<b>2.1 Biological sciences</b>		12
	Biochemistry	43.5	
	Biology of prokaryotes, viruses & basic virology	20.5	
	Hematology	30	
	Plant and Fungal Sciences	15	
	<b>3.1 Pathways to active drug substances</b>		6
	Inorganic chemistry	10	
	Organic chemistry	19	
	Pharmacognosy	12	
	<b>3.2 Formulation, manufacturing control and biopharmaceutical aspects of medicines</b>		6
	Biomathematics	13	
Biophysics	12.5		
Analytical chemistry	29.5		
Pharmacotechnics and Galenics	26		
Pharmaceutical Reference Frameworks	5		
<b>4.1 Free choice courses*</b>		Between 25 and 30	3

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



2 <sup>nd</sup> semester	<b>1.1 Management and administration</b>		<b>3</b>
	Management and administration (classroom)	11	
	Management and administration (remote)	8	
	<b>2.1 Public health</b>		<b>3</b>
	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	
	<b>2.2 Communication and scientific and regulatory monitoring</b>		<b>3</b>
	General and specialised English	24	
	Communication and team building techniques	5	
	Literature search	1.5	
	<b>3.1 Coordinated teaching</b>		<b>18</b>
	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	<b>3</b>	

* Free choice courses:
1 <sup>st</sup> semester:
Law - Pharmacy
Officine 1 (25h)
Industry 1 (24h)
Internship 1 (27h)
2 <sup>ème</sup> 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 <sup>st</sup> 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
2 <sup>nd</sup> 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		-	

	<b>DISPENSARY SECTOR</b>	Number of hours	Credits ECTS
2 <sup>nd</sup> 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		

	<b>INTERNSHIP SECTOR</b>	Number of hours	Credits ECTS
2 <sup>nd</sup> 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 <sup>st</sup> 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	
<b>3.2 Position complementary therapies in a professional and critical manner</b>		<b>3</b>
Food supplements	9.5	
Being a health critic	5	
Homeopathy	16	
Oligotherapy	2	
Phytotherapy	4	
<b>4.1 Referring and monitoring a patient's care pathway</b>		<b>3</b>
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	
<b>4.2 Integrating a therapeutic patient education programme</b>		<b>3</b>
Therapeutic patient education (classroom)	18	
Therapeutic patient education (remote)	3	
<b>5.1 Managing and running a pharmacy</b>		<b>6</b>
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	
<b>Specialising in pharmaceutical skills</b>		<b>6</b>
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
<b>First Semester</b>	End of August - Mid-December	End of August - Mid-December	End of August - Mid-November	End of August - Early January
<b>First semester exams</b>	Early- January	Early- January	Mid- November	Mid-January
<b>Second Semester</b>	Mid-January - Mid-May	Mid-January - Early May	End of November - Early June	End of January - Early June
<b>Second semester exams</b>	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*:

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

Host Institution/ *Etablissement d'accueil* :

Country/ *Pays*:

Student's Last Name/ *Nom de Famille de l'étudiant.e*:

First Name/ *Prénom* :

Home institution/ *Université d'origine* :

Faculty – Department / *Faculté - Département* :

### Details of Proposed Study Abroad Programme / Learning Agreement\*:

*Détails de la proposition de programme d'études\**

Nom du cours / stage <i>Course unit / clerkship title</i>	Number of Credits Or duration (in weeks) in the case of a clerkship <i>Nombre de Crédits Ou durée (en semaines) si stage</i>

\* if necessary, add some lines \* *si nécessaire, ajouter des lignes*

**Total**

Student's signature :

*Signature de l'étudiant-e*

Date :

#### **Home institution / Université d'origine:**

Name and signature of the responsible person:

*Nom et signature de la personne responsable*

Date :

Official Stamp

#### **Host institution / Université d'accueil:**

Name and signature of the responsible person:

*Nom et signature de la personne responsable*

Date :

Official Stamp: