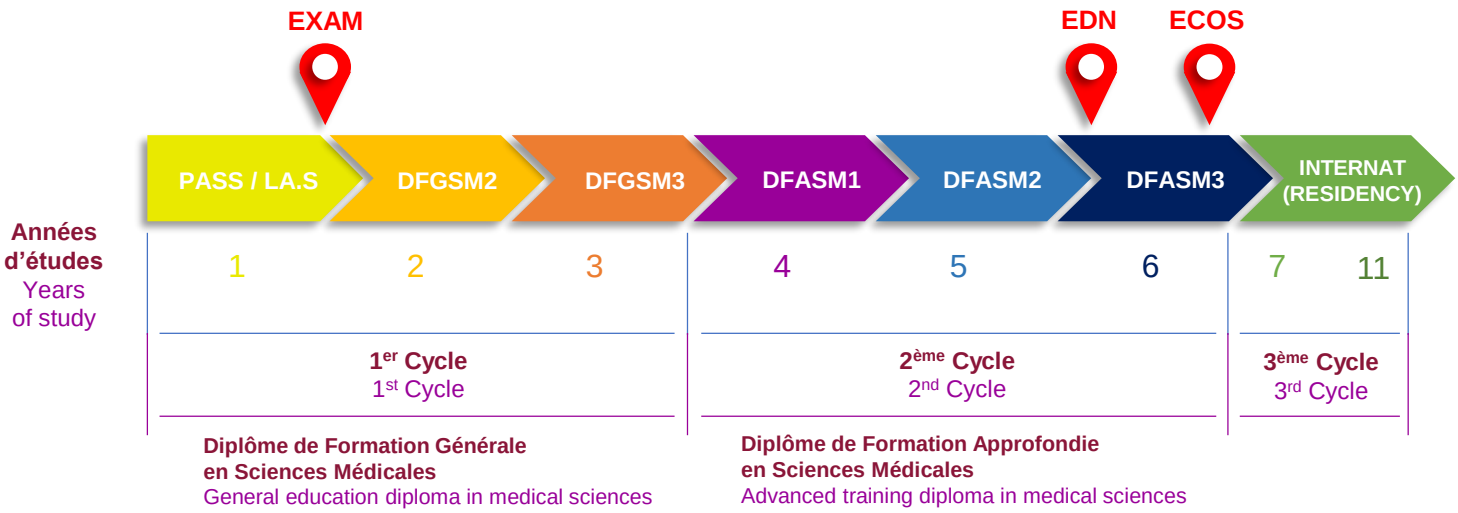
Medical School

Course catalog

2024 - 2025

MÉDECINE
Santé
Université Paris Cité

MEDICAL STUDIES IN FRANCE



OVERVIEW OF THE EXCHANGE PROGRAM AT UPCité MEDICAL SCHOOL

DFGSM3
(Year 3)

Biomedical science, Humanities, Psychology

Clinical training, simulation training (communication, first aid, technical skills)

DFASM1
(Year 4)

Medical sciences, Humanities, Critical reading, Imaging

Part-time clinical placement, simulation training (semiology, communication skills, technical skills)

DFASM2
(Year 5)

Medical sciences, Humanities, Critical reading, Imaging

Part-time clinical placement, simulation training (Psychiatry)

Medical School

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Glossaire / Glossary

A

AFGSU : Attestation de Formation aux Gestes et Soins d'Urgence

Certificate of training in emergency gestures and care
(intended for health professionals, whatever their independent or employee status and for other administrative, technical and worker staff in health and medico-social establishments)

AHU : Assistant Hospitalier Universitaire / University hospital assistant

C

CC : Chef de clinique / University hospital assistant

CCA (ou **CCU-AH**) **:** Chef de Clinique Assistant (ou Chef de clinique des universités – Assistant des hôpitaux / Assistant clinical head (or University clinical head – Hospital assistant)

CESU : Centres d'Enseignement de Soins d'Urgence / Emergency care teaching centers

CM : Cours Magistraux / Amphi courses

CMF : Chirurgie maxillo-faciale / Maxillofacial surgery

CNG : Centre National de Gestion

National Management Center
(administrative center responsible for organizing access to health professions, manages hospital practitioners and management personnel of the hospital public service, organizes competitions and recruitment)

D

DP : Dossiers Progressifs / Progressive files

DFGSM3 : Diplôme de Formation Générale en Sciences Médicales 3ème année (1er cycle) / General education diploma in medical science 3rd year (1st cycle) = Year 3

DFASM1 : Diplôme de Formation Approfondie en Sciences Médicales 1ère année (2eme cycle) / Advanced training diploma in medical sciences 1st year (2nd cycle) = Year 4

DFASM2 : Diplôme de Formation Approfondie en Sciences Médicales 2ème année (2eme cycle) / Advanced training diploma in medical sciences 2nd year (2nd cycle) = Year 5

E

ECOS : Examen Clinique Objectif Structuré / Objective structured Clinical Examination (OSCE)

E

ED : Enseignements Dirigés / Compulsory supervised courses in small groups

EDN : Epreuves Dématérialisées Nationales / National Dematerialized Tests (=French national ranking examination (NRE))

EFS : Etablissement Français du Sang / French Blood Establishment

I

iLumens : Département de simulation en santé (https://ilumens.fr) /
Health simulation department (https://ilumens.fr)

K

KFP : Yey-feature-problem

L

LCA : Lecture Critique d'Articles / Articles ritical reading of Articles

M

MCU (ou **MCU-PH**) **:** Maître de Conférence des Universités – Praticien Hospitalier /
University lecturer – Hospital practitioner

MOA : Module Obligatoire d'Approfondissement / Compulsory in-depth module

Moodle : Plateforme d'apprentissage en ligne / Online learning platform or course management system (CMS)

O

ORL : Otorhinolaryngologie / Otorhinolaryngology (ORL-H&N, OHNS or ENT)

P

PBL : Problem-based learning

PH : Praticien Hospitalier / Hospital practitioner

PU-PH : Professeur des Universités – Praticien Hospitalier / University professor - hospital practitioner

Q

QI : Questions Isolées / Isolated Questions

QMR : Questions à meilleure réponse / Best-response questions

QR : Questions/Réponses / Question and Answer (Q&A)

QRM : Questions à réponses multiples / Multiple responses questions

QROC : Questions à réponses ouvertes et concises / Open and concise answer questions

QROL : Questions à réponses ouvertes et longues / Long open answer questions

QRU : Questions à réponses uniques / Single answer questions

R

R2C : Réforme du 2nd cycle des études de médecine / Reform of the 2nd cycle of medical studies

RGPD : Règlement général sur la protection des données / General Data Protection Regulation

S

SMT : Stage médico-technique / Medical Technical Training

T

TCS : Test de Concordance de Script / Script match test

TD : Travaux Dirigés / Interactive tutorials

U

UE : Unité d'Enseignement / Teaching Unit (=courses / modules)

UEL : Unité d'Enseignement Libre « UE Libre » / Free Teaching Unit (=free to pick courses / modules)

Z

Zonage / Zoning

DFGSM3

Compulsory training consists of courses (UE) from the core curriculum and compulsory free to pick courses/modules (UEL).

Notes taken in class by students and distribued are the sole responsibility of the students and are not binding. Students are responsible for respecting copyright, and for obtaining any necessary authorizations from teachers.

Mandatory training also includes :

- **hospital trainings (medical-technical and immersion trainings)**
- **learning on iLumens simulation platforms (Physician-Patient Workshops : "First contact workshops" & "Role-playing workshops", AFGSU, technical gestures : pleural puncture, ascites, articular, venous, arterial, lumbar, sutures)**

Some courses (UE) offer training in the **form of compulsory supervised courses in small groups (ED).**

These **EDs** are done by **groups of students**, established by the DFGSM3 school office at the beginning of the semester. Any change of group must be the subject of a prior and motivated request to the school office, with presentation of supporting documents. No group modification can be made at the time of the ED by the student's own decision.

These **EDs are mandatory** and **may be subject to an attendance check**, possibly **in the form of effective participation in knowledge tests during the ED course**, carried out using the student's equipment (telephone, laptop). The presence at the ED may be transmitted to the jury to help with the decision if necessary. Students must provide themselves with the necessary technical equipment for each ED. **Some courses (UE) may be subject to continuous assessment (CC)**, the score of which will **contribute to the score for the final session 1 exam**.

Some courses offer certain students the opportunity to follow ED in the form of problem-based learning (PBL, Problem-based learning for English-speaking groups) instead of traditional ED.

All proof of absence from training courses, simulation workshops or ED must be received by the school office no later than 48 hours after the absence in order to be taken into account (medical certificates, etc.).

Semester 1

UE1 : Neuro-sensorial

ECTS : 3

Course duration : *20 hours of CM + 2 hours of ED (PBL)*

Assessment: *compulsory attendance to EDs + exam at the end of semester 1 (1h30, x2 QI and/or DP sub-tests (Ophtalmology (45 min), ORL (45 min))*

Vision, hearing, balance, perception of taste and smell, phonation and swallowing: the aim is to give students a better understanding of how these major functions work, and to understand their semiology.

The 22-hour courses include CM as well as more applied Q&A sessions and integrated clinical cases, plus 2 review webinars.

UE2 : Skin covering

ECTS : 3

Course duration : *12 hours of CM + 3 hours of ED*
Final exam : *compulsory attendance to EDs + exam at the end of semester 1 (1 hour, validation in a single block of QI and/or DP)*

The skin is an organ that is easily accessible to clinical examination and simple paraclinical investigations (biopsy, microbiological or cytological sampling).
Observation of the skin covering, external mucous membranes and appendages must be part of every clinical examination.

Learning objectives :

- Understand the structure and main functions of the skin organ

- Knowledge of dermatological symptomatology, to be able to describe and recognize elementary lesions which may be primitive, reflecting the initial lesional process, or secondary, representing the evolution of this process. A dermatosis may consist of a single type of lesion, or a combination of several lesions
- Understand the mechanisms of appearance and evolution of skin lesions and the principles of their treatment, based on knowledge of anatomopathology, embryology, physiology, immunology and pharmacology
- Know the principles of dermatological examination: questioning, examination of the skin, mucous membranes and appendages
- Know how to perform and interpret the main complementary tests, including skin biopsies and infectious samples,
- Know the particularities of a topical treatment in terms of cutaneous absorption, benefits and risks.

Teaching consists of :

- **CMs** (1h30) :
  - ✓ Course 1: Skin and appendages semiology
  - ✓ Course 2: Normal and pathological skin structure
- **Seminar** (1h30 class) :
  - ✓ Course 1: Junction system, microbiome
  - ✓ Course 2: Melanogenesis and skin ageing
  - ✓ Course 3: Cutaneous immune system
  - ✓ Course 4: Carcinogenesis
  - ✓ Course 5: Healing and burns
  - ✓ Course 6: Cutaneous pharmacology
- **Compulsory supervised course in small groups** (ED) (of 1h30) :

ED 1 : 5 interactive clinical cases

ED 2 : 5 interactive clinical cases

The referential is the document published by the Collège des Enseignants en Dermatologie.

UE3 : Oncology

ECTS : 3

Course duration : *20 hours of CM*
Assessment : *exam at the end of semester 1 (1h30, validation in a single block of QI and/or DP)*

The aim of the Oncology UE is to provide an introduction to oncology by exploring the diagnostic aspects of clinical semiology, the characterization of the disease in imaging, the characterization of the tumor from a histological and molecular point of view - aspects which strongly condition management today, right through to the evaluation of the extension of the disease.

The pedagogical objective is to teach cancer diagnosis strategy and illustrate the cancer patient's care pathway.

These aspects will be explored in greater depth at a later stage in the DFASM1 oncology course.

Teaching organization

The teaching team is multi-disciplinary, and teaching is provided in the form of twenty-minute video sequences grouped by major theme, available on the EU Moodle page. CMs (1h30) :

- Semiology, epidemiology and disease discovery through imaging
- Cancer pathology
- Impact of molecular oncology on diagnosis (prognosis, predisposition), therapy and follow-up
- Assessment of disease extension

The main chapters end with interactive sessions in the form of clinical cases and teacher/student questions/answers. Course content and expected notions are summarized in the UE reference guide, also available on Moodle. The entire course ends with a multi-disciplinary review session to practice for the final assessment. For those who wish, the course can be completed, even partially, by following the MOOC "Stratégies diagnostiques des cancers" on the FUN (France Université Numérique) platform.

UE4 : Biomedical epidemiology LCA (Articles Critical Reading)

ECTS : 4

Course duration : *12 hours of CM + 6 hours of ED*

Assessment : *compulsory attendance to EDs + exam at the end of semester 1 (1 hour, validation in a single block of DP and/or QI)*

Today, medical practice is based on scientific data. A doctor must therefore be able to understand the scientific studies, and in particular clinical research studies, on which current medical knowledge is based.

The "Quantitative Epidemiology and Biomedicine for Articles Critical Reading (LCA)" course (UE) covers all the mathematical, statistical and methodological bases needed to tackle these subjects. It provides an introduction to the DFASM article-critical reading courses (UE) and the LCA examination.

Teaching divided into four main themes, each with two CM and a compulsory supervised courses in small groups (ED).

UE5 : English

ECTS : 3

Course duration : *18 hours of ED*

Assessment : *compulsory attendance to EDs + exam at the end of semester 1 (1h30, oral presentation of a clinical case (30 min, 40%) + final exam (1 hour, 60%))*

Medical English is taught as an extension of DFGSM2 (Year 2).

The aim remains to consolidate linguistic and medical knowledge and broaden communication skills.

In terms of themes, teaching will follow the medical curriculum: Medical Ethics, Locomotor System, Nervous System and Neurology, Infectiology and Mental Health.

Skills include oral and written comprehension of medical documents, reading articles, clinical questioning (OSCE), presentation of a compulsory clinical case in class, and debates on medical and social issues.
British doctors will supplement the classroom courses, as well as giving CM.

UE6 : Medical genetics

ECTS : 3

Course duration : *8 CM of 45 min each (6 hours of CM in total) + 4,5 hours of ED*

Assessment : *compulsory attendance to EDs + exam at the end of semester 1 (1 hour, validation in a single block of QI and/or DP)*

Genomic medicine is playing an increasingly important role in the diagnosis and management of patients and their relatives, whatever the disease area concerned.

The main objectives of this course are to provide future general practitioners and specialists with the concepts and tools they will need in their day-to-day practice.

Teaching organization

The 8 CM focus on emblematic Mendelian, chromosomal or polygenic diseases, which have been chosen to illustrate the basics of these conditions, with well-defined teaching objectives for each, such as:

- Know the different modes of Mendelian heredity
- Heritability scoring in a disease with a genetic component
- The main genetic tests, their indications, and their ethical and legal framework
- Psychological and social care for patients with genetic diseases, and the differences between constitutional and somatic genetic alterations
- The notion of mosaicism and its implications.

Three tutorials based on clinical case studies will complement the courses to give you practice in reasoning and the basics of a sound diagnostic approach.

UE7 : Uro-Nephrology

ECTS : 4

Course duration : 31 hours of CM + 9 hours of ED

Assessment : *compulsory attendance to EDs + exam at the end of semester 1 (1h30, x3 DP or QI sub-tests (Semiology + Physio-Pharmacology + HAE Anat Radio)*

The aim of the "Kidney and urinary tract" course in the DFGSM is to provide undergraduates with basic knowledge of semiology, anatomy, physiology, pharmacology, histology, anatomopathology and embryology, with a syndromic, physiological and pathophysiological approach.

This course is intended as a preparation for the nephro-urological module of the DFASM, which deals with etiological and therapeutic aspects. Aspects of therapeutic management are not covered in the DFGSM.

Teaching organization

Theoretical training is organized into 23 thematic face-to-face CM, supplemented by 6 tutorials, linked to the teaching of urological semiology, and five linked to the teaching of renal physiology. All CM will be accompanied by a written reference document.

The only purpose of the DEs is to explain and apply the theoretical knowledge presented in class, in the form of exercises or clinical cases, but they do not provide any additional pedagogical content. Students will benefit from dematerialized evaluation tests that will not be included in the final module grade, but will enable them to assess themselves.

Physiology EDs will be supplemented by training tests on the Moodle platform, and other complementary training offers may be proposed for each discipline (revision, tests, etc.).

Course :

ANATOMY
COURSES N°1 and 2 LOMBAL ROOM - SURRENALS - KIDNEYS - EXCRETIVE ROADS

HISTOLOGY EMBRYOLOGY
- COURSE N°1 DEVELOPMENT OF THE URINARY SYSTEM
- COURSE N°2 HISTOLOGY OF THE KIDNEYS AND URINARY TRACT

ANATOMOPATHOLOGY
- COURSE N°1 ANATOMOPATHOLOGICAL LESIONS OF THE KIDNEYS
- COURSE N°2 TUMORS OF THE KIDNEY, URINARY TRACT, PROSTATE AND TESTICLE

PHYSIOLOGY
COURSE N°1 GLOMERULAR FILTRATION
COURSE N°2 Na+ BALANCE
LESSON N°3 WATER BALANCE
LESSON N°4 HYDRO-ELECTROLYTIC DISORDERS
LESSON N°5 ACID-BASE BALANCE
COURSE N°6 POTASSIUM BALANCE
COURSE N°7 CALCIUM BALANCE
LESSON N°8 PHOSPHATE BALANCE

NEPHROLOGICAL SEMIOLOGY
COURSE N°1 HEMATURIA - PROTEINURIA NEPHROLOGICAL SYNDROMES
COURSE N°2 RENAL FAILURE AND CREATININE ELEVATION

UROLOGICAL SEMIOLOGY
- COURSE N°1 PAIN - HEMATURIA - SCROTAL CONTENT ANOMALIES
- LESSON N°2 DIAGNOSTIC ORIENTATION FOR VOIDING ABNORMALITIES

PHARMACOLOGY
- COURSE N°1 DIURETICS
- COURSE N°2 NEPHROTOXICITIS

RADIOLOGY
- COURSES N°1 and 2 RADIOLOGIE DU REIN ET DES VOIES URINAIRES

UE8a : Neuropsychiatry S1 (Physio Pharmaco, HAE Anat Radio)

ECTS : 4

Course duration : *36,5 hours of CM, 4 hours of ED*

Assessment : *compulsory attendance to EDs + exam at the end of semester 1 (2h, DP or QI sub-tests (Physio-Pharmacology + HAE Anat Radio))*

This course provides all the knowledge needed to teach the neurological and psychiatric diseases taught in DFASM2 (Year 5).
Semiology is covered in course UE8b during semester 2 of DFGSM3 (Year 3).

- Development and hysteriology of the central and peripheral nervous systems
- Anatomy and radio-anatomy of the central and peripheral nervous system
- Physiology of the nervous system
- Nervous system pharmacology (antiepileptics, antipsychotics, hypnotics, anxiolytics, drug dependence, etc.)

For more details and up-to-date informations on the teaching unit's curriculum, students need to connect on the Moodle.

Medical-technical training

ECTS : 3

Course duration : *x5 half-day sessions*

Assessment/ validation : *attendance at sessions only (attendance sheet/logbook), validation by compulsory attendance at sessions*

Period: October to December
Duration: 8 weekly sessions on Wednesday mornings
Schedule: 09h-12h
Training site: units of the medical-technical platform of hospitals (Radiology, Biochemistry Hematology, Bacteriology, Virology, Parasitology, Anatomopathology, EFR, Pharmacy, etc.)

Objectives: **"discovery and awareness" course**
1 - Discover the discipline and the main tests performed
2 - Learn how to interpret some of these examinations, taking into account the conditions for correct interpretation and the quality criteria for the measurements taken (without going into the technical details of how the machines work).
3 - Analyze how these paraclinical examinations contribute to patient care.
4 - Gain a better understanding of the professions practiced in medical-technical departments, and the career paths that lead to them.

How to achieve the objectives:
- Supervision by AHU/MCU/PU-PH and/or PH (=teachers)
- Laboratory visits
- Clinico-biological simulation with practical work and interpretation of patient results

Organization:
The medico-technical internship is organized on a rotational basis in facilities offering non-clinical disciplines (Microbiology - Biochemistry - Genetics - Immunology - Hematology - EFS - Pharmacy - Radiology - Nuclear Medicine - Functional Explorations
- Hormonology - Reproductive Biology - Pathological Anatomy, etc.).
Students are divided into groups of 6-7. A questionnaire is used to make internship requests.

Assessment:
Validation of the training is only based on attendance.
At each session, the teacher responsible for the training sessions must sign and stamp the attendance sheet/logbook.
A copy of the completed, signed and stamped attendance sheet/logbook must be forwarded to the School Office and the International Relations Office for validation in session 1 by December at the latest.
Retake exams organized in June.

Semester 2

UE8b : Neuropsychiatry S2 (Semiology)

ECTS : 2

Course duration : *16,5 hours PBL*

Assessment : exam in half-semester 2 (1 hour, x2 DP or QI sub-tests (Neurological semiology + Psychiatric semiology)

This course provides all the knowledge needed to teach the neurological and psychiatric diseases taught in DFASM2 (Year 5).

Physio Pharmaco and HAE Anat Radio is covered in course UE8a during semester 1 of DFGSM3 (Year 3).

- Neurological semiology and the main syndromes (pyramidal, sensory, medullary, cerebellar), (e.g. peripheral neurogenic, extra-pyramidal, meningeal, dementia, cranial nerve symptomatology and intracranial hypertension and hypotension)
- Psychiatric symptomatology: normal examination, mood and emotion management system, the semiology of delusional syndromes, eating disorders and addiction

For more details and up-to-date informations on the teaching unit's curriculum, students need to connect on the Moodle.

ECTS : 4

Course duration : *20 hours of CM with two speakers (Doctor and Specialist in Philosophy or Human and social sciences).*
Assessment: *exam in half-semester 2 (1 hour, validation in a single block (isolated QROL-type questions))*

The teaching contributes to the acquisition of the following skills (main objectives) :

1. Exercise reflection, questioning and critical thinking skills
2. Recognize a clinical, scientific, health or institutional situation that presents an ethical problem
3. Identify and define the ethical principles and values at stake (autonomy, vulnerability, beneficence, justice, distinction between care and treatment); know how to recognize, explain and question one's own values.
4. Understand and respect the point of view, needs and values of patients and those around them; know how to meet and support them; apply moral skills related to care: attention, responsibility, empathy, etc.; understand the psychological and social dimensions of illness and care situations; recognize stigmatization and discrimination in care.
5. Understanding and mastering clinical reasoning and medical decision-making
6. Know how to collaborate interprofessionally, develop a shared decision, implement a coordinated, individualized care plan
7. To position oneself as a responsible player in the healthcare system as it evolves. medicine and society.

Program :

1. How to talk to patients
2. Medical error: ethical and legal considerations
3. Ethical issues related to chronic diseases
4. Ethical issues in palliative care
5. Ethical tensions in dementia
6. Prescription at the heart of medical interactions
7. The place of "technical" touch in 21st-century medicine
8. Ethical issues of health data sharing
9. The concept of autonomy in medicine
10. Justice and prioritization in healthcare

UE12 : Locomotor System

ECTS : 3

Course duration : *20 hours of CM + 4,5 hours of ED*
Assessment : *compulsory attendance to EDs + exam in half-semester 2 (1h30, x3 DP and/or QI sub-tests (Radio- anatomical anatomy + Semiology + Histology physio pharmacology)*

The locomotor system is essential to human function and interaction with the environment. In this course, the acquisition of essential knowledge of anatomy and radiology will give you a thorough understanding of the fundamentals of locomotor semiology.
Physiology, histology and pharmacology of the musculoskeletal system will also be covered.

Teaching organization

CM will be supplemented by tutorials and a revision session.

UE10 : Emergency - AFGSU

ECTS : 3

Course duration : *12 hours of CM + 4,5 hours of ED*
Assessment : *compulsory attendance to EDs + exam in half-semester 2 (1 hour, situation scenarios, validation in a single block QI and/or DP, QRM or QRU, end-of-session certificate issued to students (CESU))*

The level 2 AFGSU certificate is awarded on completion of a training course enabling the learner to simply diagnose and perform non-invasive procedures to care for victims, while awaiting the arrival of professional help, whether inside or outside the hospital.
Since 2006, it has had to be obtained by healthcare professionals and students working in a medical facility. It was initially delivered by the emergency care teaching centers (CESU) affiliated to each departmental SAMU control center. The strong demand for training has led to this teaching option being extended to other structures, notably universities. For example, Université Paris Cité is now able to provide such training by delegation, although the training certificate must be co-signed by the departmental CESU, i.e. CESU75 for Université Paris Cité students.

At UPCité, this training is provided by the heads of the Emergency Medicine, Anesthesia-Intensive Care and Medical Intensive Care departments of the Medical School. It takes place over one day, with groups of 12 students per clinical supervisor. They work on recognition and first aid in the event of haemorrhage, airway obstruction (false routes) in adults and children, unconscious persons, cardiac arrest, burns and wounds.

This teaching unit is also validated by an exam in 2 sessions (60 QRM of QRU type).

Associated with this very practical training is a series of theoretical courses focusing on the same items over a total of ten hours, which are subject to an examination in the form of 60 QRMs and QRUs.

There is a final assessment of the day for each student to validate one or two gestures to be performed. However, this training is not at all sanctioning, as validation is based on these gestures and therefore on attendance at the teaching. It is therefore formative, not summative. It is compulsory for French students prior to the EDN.

UE11 : Infectious agents

ECTS : 4

Course duration : *11,5 hours of CM + 13 hours of capsule videos + 20 hours of ED*

Assessment : *compulsory attendance to EDs + capsules videos training watching + exam at the end of semester 2 (2 hours, x3 QI and/or DP sub-tests (Bacteriology-hygiene + Virology + Parasito-mycology)*

The Infectious Agents course covers four disciplines: bacteriology, virology, myco-parasitology and hygiene. The main teaching objective is to acquire essential knowledge of the microorganisms that can be responsible for clinical infections.

In addition to the specificities of each of these disciplines, and in view of their evolution, teaching also includes a syndromic approach combining knowledge of bacteriology, myco-parasitology and virology.

Teaching organization

This training is given in the form of CM, interactive ED and capsules illustrating a Reference System.

UE13 : Practical Anatomy and Pathological Cytology (PAPC/ACPP)

ECTS : 3

Course duration : *x1 CM of 12,5 hours + x7 ED*

Assessment : *compulsory attendance to EDs + exam at the end of semester 2 (1 hour, validation in a single block QI and/or DP)*

Important : due to its transversality with other DFGSM2 (Year 2) and DFGSM3 (Year 3) courses, it may be difficult to match this course with the program of foreign universities !

Cross-disciplinary and complementary teaching of the "Cellular and Tissue Biopathology (BCT) Anatomopathology and Cell Biology" UE (UE2, S1, DFGSM2) + "Oncology" UE (UE3, S1, DFGSM3) !

The knowledge acquired in histology and pathological anatomy gives students a better understanding of the semiology of diseases already covered in other courses and which will be developed further in the 2nd cycle of the medical training.

Teaching organization

Teaching is organized around anatomical and clinical cases, with instruction on virtual slides of healthy tissue (histology) and pathological tissue (anatomy and pathological cytology).

ED are mandatory:

- 1 ED (1h30) in histology
- 6 ED in anatomy and pathological cytology

UE14 : Digital Health Bases

ECTS : 2

Course duration : *equivalent to 28 hours (e-learning) and x2 CM*

Assessment : *exam at the end of semester 1 (1h, validation in a single block of QI and/or DP)*

Course details :

- Course details :
- Health, market, programs
- Digital showcase, reference systems, services
- Artificial intelligence: technical framework
- Artificial intelligence: challenges and biases
- Legal framework and RGPD
- Cybersecurity: risks and types of attack
- Cybersecurity: practical examples
- Cybersecurity: preventive measures
- Cybersecurity: feedback on the cyberattack at Centre Hospitalier Sud Francilien

Immersion training : semiology training

ECTS : 3

Course duration : *x2 training sessions of 7 to 8 weeks, half-day (i.e. x5 half-days per week, every morning from Monday to Friday) + 1 ECOS*

Assessment: *compulsory attendance to the training sessions + ECOS + signed student placement logbook (average of the 3 grades (training 1 grade, training 2 grade, ECOS grade))*

Immersion training : semiology training are pre-externship trainings, in the form of two 8-week trainings every morning.

Period: end of January to end of May (2 courses of 8 weeks)
Duration: 4 months in 2 periods of 2 months, 5 mornings per week including 1 morning supervised by a senior teacher (important: the immersion course is suspended during spring break)
Hours: Based on 3 hours per half-day (9 a.m.-12:30 p.m.). These times must absolutely allow students to attend classes at 1:30 p.m. on the Bichat site.
Field: 2 medical or surgical hospital services during the semester, chosen by the student in the internship choice amphitheater in November and March

General objective:
- consolidate the questioning and physical examination
- write medical observations
- make a synthesis of semiological problems
- reinforce the bases of semiology learned in DFGSM2 (2nd year) and link them to diagnosis
- initiate awareness of external generic skills
- integration into a medical team.

The trainings are different each time. The students are in groups of 2 to 4 with a CCA.

Assessment :
- Mandatory presence
- Score for each training by the head of department or a PU-PH from the department or another department or a CCA (investment +++, quality of observations, reasoning)
- A copy of the completed, signed and stamped training logbook must be sent to the Study Affairs service no later than the first day of the S2 exams for validation in session 1.

Choice of internship:
- students receive an online survey (Limesurvey) by email around November 15 where they can make their choice of hospitals (no services!)
- at least one of the trainings will be in choice 1 or choice 2
- if surgery, pediatrics, anesthesia/reanimation in 1st training (medicine in 2nd training)

The distribution of trainings is then known to students around December 15.
Please note: students must therefore be vigilant about the emails they receive!

Educational materials available:
- teaching reference available on Moodle
- internship notebook with objectives
- semiology course in each module
- online semiology videos
- encouragement to train in ultrasound during internships (monitoring patients in radiology)

Physician-patient workshops

Course duration : 2 workshops (1 of 2 hours, 1 of a half-day)

Assessment: validation by attendance to the 2 workshops

Teaching takes place in the form of simulation workshops intended to acquire basic communication tools to structure an interview and build an empathetic relationship with the patient.

This module focuses on the patient-doctor relationship, between empathy and benevolence. The aim is to learn how to structure an interview and build a relationship.

Workshops distribution

- **First contact workshops:**

Simulation workshops lasting 2 hours in small groups (4 students) around 2 clinical situations. All workshops take place on a period of two weeks, on the iLumens platforms (St Germain or Pajol campus).

- **Role-playing workshops:**

Half-day simulation workshops in groups of 12-14 students around 3 clinical scenarios, led by CCAs and expert patients under the supervision of a coordinating teacher. All the workshops will take place in February 2025 over a period of two weeks, on the iLumens platforms (St Germain campus).

DFASM1

Organization of the theoretical training

In DFASM1, the academic year is divided in terms/trimesters. The theoretical learning is composed of 3 types of teaching :
• Courses/modules (UE) grouped into 3 term-based Poles
• Annualized Out of Pole courses
• One compulsory free to pick course (UEL): “Modules Obligatoires d’Approfondissement” (MOA*), UEL or student commitment module.

Poles return every term.

International students are allowed to select the course of their choice from any DFASM1 pole to complete their learning agreement (LA). There is no obligation to select an entire pole.

***Out of Pole courses (UE Hors Pôle) :** Most of the exams regarding Out of Poles modules (no compulsory modules) take place in June. Therefore, we advice the students coming for a semester only to be careful when designing their learning agreement.

***MOA :** MOA are not open for international students.

Examinations : faculty examinations are composed of two sessions. The first session is divided into three terms. Each student is assessed in the course in which he or she is enrolled for the corresponding term. 11 is the minimum passing grade. If a student does not get the passing grade, he will have to resit the exam at the official make-up exams period in late June-July and only at this period.

Organization of the practical training

For international students, practical training (clinical placements) during their study mobility is compulsory and must be included in their learning agreement. Students can choose from a list of clinical placements provided by the International Relations Office.

Clinical placements last between 10 to 12 weeks, equivalent to an entire term. International students are placed in a Parisian hospital and clinical ward in one specialty with other French and international students. They have the status of “externe”. For Erasmus students, the validation of each 10 to 12 weeks clinical placement results in obtaining 8 ECTS for a total of 24 ECTS for one academic year.

For each 10 to 12 weeks clinical placement completed, an overall clinical placement score out of 50 is given and composed of:
- a “clinical placement grade” out of 30
- a “additional clinical placement exam” score out of 20
Obtaining the average for this overall mark will validate the corresponding 8 ECTS.

- Organization of the **DFASM1** Poles with rotation every term :

POLE 1	
UE by term	**ECTS**
UE Cardiology	2
UE Pneumology	2
UE Nephrology, Urology	2
UE Infectious diseases	2
LCA of Pole 1	

POLE 2	
UE by term	**ECTS**
UE Endocrinology-Nutrition	2
UE Hepato-Gastro-Enterology	2
UE Oncology	2
UE Hematology	2
LCA of Pole 2	

POLE 3	
UE by term	**ECTS**
UE Dermatology	2
UE Genetics	2
UE Musculoskeletal system	2
UE Disability	2
LCA of Pole 3	

OUT OF POLE courses for DFASM1	
Yearly UE	**ECTS**
UE Crossing LCA (Articles Critical Reading)	4
UE Society / Humanities UE Deontology	3
UE Digital Health : clinical practice	1
UE Imaging / Radiology	1

Exams in Term 3 for these 4 Out of Pole courses (courses may occure in other terms!).

POLE 1

POLE 1	
UE by term	**ECTS**
UE Cardiology	2
UE Pneumology	2
UE Nephrology, Urology	2
UE Infectious diseases	2
LCA of Pole 1	

UE Cardiology

ECTS : 2

Course duration : *x7 interactive seminars (20 hours) + x1 e-learning session*

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course meets all the cardiology objectives for the DFASM.

Objectives :

- Review of the main semiological and physiological concepts useful in understanding and managing cardiovascular disease.
- Basics and practical application of ECG interpretation
- Basics of the main cardiovascular explorations (during a joint seminar with radiology)
- Basics and prescription of anti-thrombotic treatments

- Mastery of the main cardiovascular pathologies
- Risk factors, dyslipidemia, cardiovascular prevention
- Hypertension in adults
- Acute and chronic coronary syndromes
- Atrial fibrillation and other arrhythmias
- Conductive disorders
- Heart failure
- Valvulopathies
- Endocarditis (in common with course (UE) “Infectious Diseases”)
- Pericarditis
- Aortic aneurysm, obliterative arteriopathy

UE Pneumology

ECTS : 2

Course duration : *interactive seminars (24 hours) + video capsules (18 capsules for 6 hours)*

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course meets all the cardiology objectives for the DFASM.

Objectives :

- Review of the main concepts of semiology and physiology useful in understanding and managing respiratory diseases.
- Basics and practical application of thoracic imaging interpretation
- Basics and practical application of respiratory function test interpretation
- Mastery of the main respiratory pathologies
- Chronic respiratory insufficiency
- Bronchial diseases: asthma, COPD, bronchial dilatations
- Allergies
- Interstitial diseases, respiratory disorders in sarcoidosis and connectivities
- Sleep-disordered breathing
- Thoracic oncology
- Pleura: pneumothorax, pleurisy
- Thromboembolic venous disease
- Infectiology : lower respiratory infections, tuberculosis
- Smoking
- Professional aspects

UE Nephrology-Urology

ECTS : 2

Final exam : *sub-test of questions, at least 10 of which are grade A, QI and/or DP type of 2 or 8 questions..*

This course provides all the knowledge needed to teach Urology and Nephrology.

Objectives :

- Management of the main hydroelectrolytic disorders (natremia, kalemia, acid/base)
- Management of acute renal failure and chronic kidney disease
- Chronic interstitial nephropathy and polycystic kidney disease
- Main glomerular nephropathies and nephrotic syndromes
- Medical and surgical aspects of urinary lithiasis
- Erectile dysfunction and fertility, andrology
- Kidney and urinary tract tumors
- Disorders of pelvic statics, urinary disorders and incontinence
- Genito-scrotal pathology
- Kidney transplantation

UE Infectious diseases

ECTS : 2

Final exam : *30-question sub-test, including at least 10 A-rank question, QI and/or DP type of 2 or 8 questions.*

The aim of this course is to give DFASM1 students the keys to reasoning in the field of infectious diseases, through clinical, microbiological, radiological and therapeutic knowledge and skills. A cross-disciplinary field by its very nature, the teaching of Infectious Diseases has been developed in conjunction with the 1st cycle (Microbiology, Hospital Hygiene, Pharmacology) and with other related 2nd cycle disciplines (Pneumology, ORL, Urology, etc.).

The major challenge of this teaching is that all doctors will be confronted with infectious diseases in their future practice, whatever their professional orientation.

Objectives :

- Prioritize a diagnostic approach (clinical, biological, radiological) for a febrile patient, depending on the patient's condition and comorbidities.
- Assess the severity and urgency of a suspected infection
- Know the main bacterial, viral, parasitic and fungal pathogens affecting humans
- Understand and apply the main microbiological diagnostic tools
- Know and apply the therapeutic principles of the most serious and frequent infectious diseases

POLE 2

POLE 2	
UE by term	**ECTS**
UE Endocrinology-Nutrition	2
UE Hepato-Gastro-Enterology	2
UE Oncology	2
UE Hematology	2
LCA of Pole 2	

UE Endocrinology-Nutrition

ECTS : 2

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course covers the knowledge required in Endocrinology, Diabetology and Nutrition as part of the knowledge required at the end of the 2nd cycle (rank A and B knowledge).

Objectives :

- Pathophysiology and definitions of the main types of diabetes
- Acute and chronic complications of diabetes and principles of management
- Principles of type 1 and type 2 diabetes management and pharmacological classes
- Physiopathology and principles of management of obesity and its complications
- Screening and management principles for undernutrition
- Nutritional requirements in various physiological situations (sport, pregnancy, the elderly)
- Principles of functioning and regulation of endocrine hormone secretion
- Identification of the main hormonal secretion anomalies (pituitary, adrenal, thyroid and parathyroid)

UE Hepato-Gastro-Enterology

ECTS : 2

Final exam : *sub-test of 30 questions, at least 10 of which are grade A, QI and/or DP type of 2 or 8 questions.*

This course covers all the fundamental knowledge of digestive pathologies taught in DFASM1.

Objectives :

- Diagnosis and therapeutic management of viral hepatitis
- Diagnostic approach to iron pathology
- Diagnostic approach to dysphagia, vomiting, acute or chronic abdominal pain, digestive hemorrhage, hepatomegaly, jaundice, ascites, diarrhea
- Diagnosis and management of the main digestive pathologies: gastro-oesophageal reflux disease, peptic ulcer disease, biliary lithiasis, cirrhosis, acute and chronic pancreatitis, chronic inflammatory bowel disease, constipation, irritable bowel syndrome, colonic diverticulosis, haemorrhoidal pathology.
- Diagnosis and management of tumors of the esophagus, stomach, liver, pancreas, colon and rectum

UE Oncology

ECTS : 2

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course will provide DFASM1 students with an understanding of the biological mechanisms of cancer development, cancer prevention, screening and diagnosis strategies, and therapeutic strategies used at different stages of the disease in the main cancer sites (breast, prostate, lung, colon/rectum).

Objectives :

- Carcinogenesis / Oncogenetics
- Cancer epidemiology
- Risk factors, prevention, cancer screening
- Cancer diagnosis: warning signs and para-clinical investigations; stage characterization; prognosis
- Principles of different therapeutic approaches in oncology
- Therapeutic management strategies for the most common localized and metastatic cancers
- Therapeutic complications / Therapeutic emergencies
- Personalized care pathway / Supportive care

UE Hematology

ECTS : 2

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course provides the 2nd cycle hematology knowledge needed to prepare for the national dematerialized tests (EDN).

Objectives :

- Understand the principles of hematopoiesis regulation, particularly erythropoiesis, and the physiology of hemostasis and coagulation,
- Know how to diagnose the main blood count abnormalities in adults and children, and how to make the main etiological diagnoses,
- How to manage deficiency anemia,
- Know how to diagnose a hemorrhagic syndrome of hematological origin,
- Know the characteristics of labile blood products and their specificity,
- Know the factors that promote the main hematological malignancies,

- Know the symptoms and biological abnormalities that suggest the diagnosis of the main hematological malignancies (chronic lymphocytic leukemia, multiple myeloma, lymphomas, myeloproliferative and myelodysplastic syndromes, acute leukemias),
- Diagnosis of the main hematological malignancies (chronic lymphocytic leukemia, multiple myeloma, lymphomas, myeloproliferative and myelodysplastic syndromes, acute leukemia),
- Diagnosis of mononucleosis syndrome, adenopathy and splenomegaly.

POLE 3

POLE 3	
UE by term	**ECTS**
UE Dermatology	2
UE Genetics	2
UE Musculoskeletal system	2
UE Disability	2
LCA of Pole 3	

UE Dermatology

ECTS : 2

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course provides all the knowledge required for the dermatology program in the second cycle of medical studies.

Objectives :

- The dermatology UE is organized into 4 interactive 3-hour seminars, focusing on inflammatory, infectious and tumoral dermatoses, and on diagnostic situations involving symptoms such as Raynaud's phenomenon, purpura, exanthema and erythroderma in children and adults, as well as hemangiomas and vascular malformations. A 1-hour review session completes the program.
- The aim of this course is to guide DFASM1 students in the semiological, diagnostic and exploratory approach to common dermatoses, and to briefly present the principles of treatment, which will not be studied in detail.

UE Geriatrics

ECTS : 2

Course duration : *e-learning + x3 ED (3 hours x 3)*
Final exam : *compulsory attendance to EDs + sub-test of 30 questions with at least 10 of which are grade A, QI and/or DP type of 2 or 8 questions.*

This course, aimed at DFASM1 students, covers all aspects of the new geriatrics program, in line with the reform of the second cycle of Medical Studies, with a view to EDN.

The e-learning covers all the questions in the program (with the exception of those already taught in parallel by organ specialties, e.g. osteoarthritis) and covers all the rank A and rank B items to be learned. It will be supplemented by five guided teaching sessions, each lasting three hours, covering the most important points in the program, in the form of interactively corrected questions and answers, grouped by theme.

Objectives :

- Understand the physiological changes associated with normal and pathological aging
- Know the major geriatric syndromes: neurocognitive disorders, confusion, depression, malnutrition, gait disorders and falls
- Understand the concepts of polypathology and polymedication and their implications for clinical practice
- Knowing the specificities of caring for the sick elderly: personalized benefit/risk balance, iatrogenicity, multidisciplinary management
- Understanding the ethical issues underlying therapeutic decisions concerning elderly patients

UE Locomotor system

ECTS : 2

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course provides all the knowledge needed to learn rheumatology and orthopedic surgery, in accordance with the DFASM program and the standards for the 2 specialities.

Objectives :

- Defining the main diseases of the musculoskeletal system
- Clinical and radiological signs of musculoskeletal diseases
- Understand the diagnostic process and the role of various complementary biological and radiographic examinations
- Recognize the main emergency situations
- Understand the role of medical and non-medical treatments and surgery in the management of musculoskeletal diseases.
- Know the main methods of monitoring diseases and treatments

UE Disability

ECTS : 2

Final exam : *30-question sub-test, including at least 10 A-rank questions, QI and/or DP type of 2 or 8 questions.*

This course provides all the knowledge required to assess and implement the re-education and rehabilitation resources needed to provide multidisciplinary support for people with disabilities, in accordance with the DFASM program and the Physical and Rehabilitation Medicine reference framework.

Objectives :

- Knowing the definition and conceptual framework of functioning and disability according to the WHO and French legislation
- Know how to prescribe and assess the effectiveness and tolerance of the main re- education and rehabilitation techniques depending on the disability situation.
- Assessing and supporting adults with neurological disabilities
- Assessing and supporting adults with orthopaedic disabilities
- Assessing and supporting children with disabilities

OUT OF POLE courses for DFASM1	
Yearly UE	**ECTS**
UE Crossing LCA (Articles Critical Reading)	4
UE Society / Humanities UE Deontology	3
UE Digital Health : clinical practice	1
UE Imaging / Radiology	1

Final exams in Term 3 only !!

Out of Pole course : Crossing LCA (Articles Critical Reading)

ECTS : 4

Duration : *15 hours of CM*

Final exam : *1h30 exam in Term 3 only (x1 DP)*

Topics approached:
- Introduction + clinical trials 1
- Clinical Trials 2
- Diagnostic studies
- Case-control studies
- Cohorts
- Systematic reviews & Meta-analyses
- Prognostic studies

Out of Pole courses : Society / humanities • Deontology

ECTS : 3

Final exam : *in Term 3 only, 2h30 hours exam common to other Out of Pole Teaching Units (Digital Health, Ethics, Society/Humanities, Imaging/Radiology), x35 QI and/or DP questions for Society / Humanities ; 2h30, x20 QI and/or DP questions for Deontology*

Important : the Out of Pole course "Society / Humanities" and the Out of Pole course "Deontology" are merged. They cannot be dissociated. If a student selects one of these two Out of Pole courses, they must take the exam and validate both to credit 3 ECTS.

SOCIETY / HUMANITIES :

Face-to-face teaching covering the following topics :

Body:
- Bodies and philosophy: medicine between body-object and body-subject; the sick body, a test of identity; Bodies that count unequally
- Bodies and techniques in medicine: reconfiguration of medical practices; rise of clinical medicine; medical imaging: a new look at the body; quantification and pathologization
- The body, medicine and data: medical data: historical representation; objectification in medicine; the advent of statistics in medicine; long-standing and close links between data and medical progress; biomedical data; production of medical data in the context of care; the need to computerize data; Big Data in health and the protection of individuals; IT tools for Big Data in health.

Discrimination and health:
- Combining ethics of care and clinical effectiveness
- Several factors of discrimination: stigmatization and guilt
- Deontology
- Social determinants of patient trajectory and care
- Categorizations, differentiated mobilizations, discrimination in the emergency department: health status as a criterion for discrimination, the healthcare system as a source of discrimination, discrimination with a negative effect on health status

Knowledge and vaccine controversies:
- Current situation, historical perspectives, sociological elements and recent developments
- Scientific realities, controversial "truths".
- Elements of crisis communication: divergent messages, role of political action, publicity around pharmacovigilance, new epidemiological tools
Vaccine efficacy, tolerance and controversy.

DEONTOLOGY :

Course duration : *single 3-hour seminar*

To make students aware of the problem of relationships with industry. A large part of the presentation is devoted to explaining what a financial conflict of interest is, and its consequences for scientific integrity, public health and healthcare spending. Solutions to prevent and remedy conflicts of interest are also detailed. The charter of ethics and deontology issued by the Deans is extensively commented on, in particular the aspects relating to relations with industry and the ban on its representatives meeting students on university and hospital premises and providing them with benefits.

Out of Pole course : Digital health : clinical practice

ECTS : 1

Course duration : *face-to-face, CM (seminars of 2 to 3 hours each)*

Final exam : *in class, in Term 3 only, 2h30 hours exam common to other Out of Pole Teaching Units (Digital Health, Ethics, Society/Humanities, Imaging/Radiology), x20 QI and/or DP questions*

The aim is to acquire digital health skills useful for clinical practice. Several topics will be covered, including: information systems architecture; artificial intelligence techniques; technical, legal and ethical issues related to health data; knowledge sources and social media; decision support systems; mobile health and digital self-measurement; telemedicine and telehealth.
Each concept will be taught from both a theoretical and practical angle, so as to prepare students for their future practice, and for the new R2C assessment methods (e.g. ECOS).
Students interested in this module will be able to deepen their knowledge via two optional ECOs taught in DFASM entitled "AI for clinical decision support" and "3P medicine".

Out of Pole course : Imaging / Radiology

ECTS : 1

Final exam : *in class, in Term 3 only, 2h30 hours exam common to other Out of Pole Teaching Units (Digital Health, Ethics, Society/Humanities, Imaging/Radiology), x25 QI and/or DP questions*

The objectives of imaging teaching in DFASM1 and DFASM2 are to prepare students for the “EDN” and their future professional life as physicians.
Imaging teaching covers 540 A and B items. Given the large number of items, this teaching has been spread over 2 years (DFASM1 and DFASM2).
A-rank items are taught in compulsory courses (UEL), while B-rank items are taught in optional courses (ECO).
For example, in DFASM1, the compulsory UE program covering A-rank items includes :

- cardiovascular imaging (2 hours)
- urological imaging (3 hours)
- thoracic imaging (3 hours)
- abdominal imaging (4 hours)
- osteoarticular imaging (3 hours)

Teaching is interactive, based on clinical cases presented and discussed with students in face-to-face amphitheaters.

All compulsory and optional subjects are examined at the end of the year.

Organization of theoretical training

In DFASM2, the academic year is divided in terms/trimesters. The theoretical learning is composed of 4 types of teaching :
• Courses/modules (UE) grouped into 3 term-based Poles
• A compulsory cross-disciplinary course in articles critical reading (LCA)
• 4 annual cross-disciplinary courses (UE) not grouped in Poles
• Compulsory free to pick courses (UEL) and/or compulsory “Modules Obligatoires d’Approfondissement” (MOA*)

The theoretical learning can be on-site or online learning (CM, tutorials, Q&A workshops, etc.), e-learning or training on the simulation platform.

Poles return every term.

International students are allowed to select the course of their choice from any DFASM1 pole to complete their learning agreement (LA). There is no obligation to select an entire pole.

***Out of Pole courses :** Most of the exams regarding Out of Poles modules (no compulsory modules) take place in June. Therefore, we advice the students coming for a semester only to be careful when designing their learning agreement.

***MOA :** MOA are not open for international students.

Examinations : faculty examinations are composed of two sessions. The first session is divided into three terms. Each student is assessed in the course in which he or she is enrolled for the corresponding term. 11 is the minimum passing grade. If a student does not get the passing grade, he will have to resit the exam at the official make-up exams period in late June-July and only at this period.

Organization of practical training

For international students, practical training (clinical placements) during their study mobility is compulsory and must be included in their learning agreement. Students can choose from a list of clinical placements provided by the International Relations Office.

Clinical placements last between 10 to 12 weeks, equivalent to an entire term. International students are placed in a Parisian hospital and clinical ward in one specialty with other French and international students. They have the status of “externe”. For Erasmus students, the validation of each 10 to 12 weeks clinical placement results in obtaining 8 ECTS for a total of 24 ECTS for one academic year.

For each 10 to 12 weeks clinical placement completed, an overall clinical placement score out of 50 is given and composed of:
- a “clinical placement grade” out of 30
- a “additional clinical placement exam” score out of 20
Obtaining the average for this overall mark will validate the corresponding 8 ECTS.

- Organization of the **DFASM2** Poles with rotation every term :

POLE 4	
UE by term	**ECTS**
UE Pediatrics	2
UE Design	2
UE Immuno-inflammation	2
LCA of Pole 4	

POLE 5	
UE by term	**ECTS**
UE Neurology	2
UE Psychiatry and child psychiatry	2
UE CMF-Ophtalmology-ORL	2
LCA of Pole 5	

POLE 6	
UE by term	**ECTS**
UE Emergency-Intensive care	2
UE Therapeutic	2
UE Palliative care / Pain / Anesthesia / Acoompaniment	2
LCA of Pole 6	

OUT OF POLE courses for DFASM2	
Yearly UE	**ECTS**
UE Forensic Medicine	2
UE Occupational medicine	2
UE Public Health	2
UE Imaging / Radiology	2

Exams in Term 1 (Forensic Medicine, Occupational medicine, Public Health)
Exams in Term 3 (Imaging / Radiology)

POLE 4

POLE 4	
UE by term	**ECTS**
UE Pediatrics	2
UE Design	2
UE Immuno-inflammation	2
LCA of Pole 4	

UE Pediatrics

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions including at least 15 A-rank questions, QI and/or DP or KFP type of 2 or 8 questions*

This course involves 35 hours of pediatric training for students in the 2nd cycle of medical studies, in the 5th year of medicine (DFASM2). The courses integrate several teaching methods: course reminders and "lecture" didactic explanations, short clinical cases with questions in accordance with the docimology of the national ranking exam, interactivity with the possibility of answering questions by online voting thanks to the Wooclap software.

This program was designed to cover the main items of the French EDN program, so that students learn the specificities of pediatric history, clinical examination, diagnostic reasoning and therapeutic management modalities.

Teaching	Teaching details	Duration
Visceral surgery	- Abdominal pain, appendicitis, peritonitis, intussusception	**1h30**
Endocrinology	- Normal and pathological growth, puberty	**1h**
	- Diabetes and hypoglycemia	**1h**
Gastroenterology	- GERD, infant vomiting and occlusive syndrome, rheumatoid purpura	**1h**
	- Low weight, chronic diarrhea, obesity	**1h**
Hematology	- Anemia, Thrombocytopenic purpura, Immune deficiency	**1h30**
Infectiology	- Vaccination, infant fever, urinary tract infection	**1h**
	- Lower respiratory infectious, whooping cough, tuberculosis	**1h**
	- Bacteria diarrhea, Travel fever	**1h**
	- Upper respiratory and ENT infections	**1h**
	- Febrile exanthema	**1h**
	- Meningitis	**1h**
Neonatology	- Full-term newborn, fetal risks, jaundice, breastfeeding	**2h**
Neurology	- Normal psychomotor development and warning signs	**1h**
	- Convulsions in infants and children, Epilepsy West and absence	**1h30**
	- Proteinuria and nephrotic syndrome in children, acute renal failure, kidney disease	**1h30**
Oncology	- Pediactric oncology, pain	**1h30**
Orthopedics/screening (LCH, scoliosis), lameness, fractures, head trauma		**1h30**
General Pediatrics	- Infant feeding, Infant and child care	**1h**
	- Illness, unexpected infant death, maltreatment	**1h**
Respiratory	- Bronchiolitis (myocarditis / breathlessness), acute dyspnea, « low » acute respiratory distress, p.	**1h**
	- Acute and chronic asthma	**2h**
Reanimation	- Heart attack and shock (TSV)	**1h**
	- Acute upper and lower respiratory distress, neurological distress, febrile purpura	**1h**
Emergencies	- Acute diarrhea, deshydration	**1h**
End of Pole : PEDIATRICS CONFERENCE		**4h**
Total duration of « Pediatrics » courses		***35h***

UE Conception

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions including at least 15 A-rank questions, QI and/or DP or KFP type of 2 or 8 questions*

Teaching	Duration
Normal pregnancy, normal childbirth, breastfeeding, post-natal care	**4h**
Pregnancy complications, DI abdo pregnancy, prema, IUGR, GD, Preeclampsia	**3h**
Fetal risks, urinary tract infections, occupational risks, nutritional requirements	**4h**
Cycle abnormalities, contraception, amenorrhea, menopause	**3h**
EP, genital hemorrhage, pelvic swelling, STIs	**3h**
IVG, Infertility, MPA, Pelvic pain, endometriosis	**4h**
K cervix and uterus, K ovary, K breast	**3h**
End of Pole : CONCEPTION CONFERENCE	**4h**
Total duration of « Conception » courses	***28h***

UE Immuno-inflammation

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions including at least 15 A-rank questions, QI and/or DP or KFP type of 2 or 8 questions*

Teaching	Duration
Inflammatory reactions	**1h**
Prolonged unexplained fever	**1h30**
Hypersensibility and allergies	**1h30**
Immune deficiencies	**1h30**
Systemic vasculitides	**1h30**
GCA, Rhizomelic pseudopolyarthritis, Takayasu	**1h30**
Autoimmune diseases	**1h**
Lupus and SAPL	**2h**
Sarcoidosis	**1h**
Eosinophilia	**1h**
Autoimmune cytopenias	**1h**
Organ transplantation	**1h30**
Amyloidosis	**1h30**
MGUS	**1h**
End of Pole : IMMUNO-INFLAMMATION CONFERENCE	**4h**
Total duration of « Immuno-inflammation » courses	***22h30***

POLE 5

POLE 5	
UE by term	**ECTS**
UE Neurology	2
UE Psychiatry and child psychiatry	2
UE CMF-Ophthalmology-ORL	2
LCA of Pole 5	

UE Neurology

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions including at least 15 A-rank questions, QI and/or DP or KFP type of 2 or 8 question*

Teaching	Duration
Entry conference – Clinical reasoning	**3h**
Central nervous system	**3h**
Stroke	**4h**
Neurodegenerative pathology	**3h**
Neurology, neurosurgery, neuroradiology	**3h**
Peripheral nervous system	**3h**
Exit conference – Review of Rank A and B items	**3h**
End of Pole : NEUROLOGY CONFERENCE	**4h**
Total duration of « Neurology » courses	***25h***

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions, at least 15 of which are rank A, QI and/or DP or KFP type of 2 or 8 questions.*

Objectives :

• Diagnose a developmental (somatic), psychomotor, intellectual and emotional abnormality. Identify relational dysfunctions and learning disorders early. Argument the therapeutic attitude and plan follow-up in common situations.
• Identify pervasive developmental disorders and know the principles of treatment. Diagnose an autistic syndrome (from early childhood to early adulthood), argue the therapeutic attitude and plan follow-up at all stages of the illness.
• Diagnose eating disorders in adolescents and adults. Arguing the therapeutic attitude and planning the follow-up of eating disorders. Know the main metabolic abnormalities associated with these disorders and their acute management.
• Explain the behavioral and psychosocial characteristics of the normal adolescent. Identify behavioral disorders in adolescents and know the principles of prevention and treatment. Detect suicidal risk situations in children and adolescents. Argument the principles of prevention and treatment.
• Diagnose a depressive disorder in children and adolescents. Argument the therapeutic attitude and plan follow-up.
• Diagnose generalized anxiety disorder, panic disorder and panic attack, phobic disorder, obsessive compulsive disorder, post-traumatic stress disorder, adjustment disorder, sleep disorder in children and adults. teenager. Argument the therapeutic attitude and plan follow-up for each of these disorders.
• Diagnose generalized anxiety disorder, panic disorder and panic attack, phobic disorder, obsessive compulsive disorder, post-traumatic stress disorder, adjustment disorder, personality disorder. Argument the therapeutic attitude and plan follow-up for each of these disorders. Prescribe and monitor anxyolithic treatment.
• Diagnose sleep disorders in infants, children and adults. Argument the therapeutic attitude and plan the patient's follow-up. Prescribe and monitor hypnotic treatment.
• Diagnose a somatoform disorder. Argument the therapeutic attitude and plan the patient's follow-up.
• Diagnose schizophrenic disorder and persistent delusional disorder. Argument the therapeutic attitude and plan follow-up at all stages of the disease. Diagnose agitation and acute delirium. Identify the emergency characteristics of the situation and plan their pre-hospital and hospital management (dosages). Prescribe and monitor antipsychotic treatment.
• Diagnose a depressive disorder. Argument the therapeutic attitude and plan follow-up. Distinguish normal mourning from pathological mourning and argue the principles of prevention and support. Prescribe and monitor antidepressant treatment.
• Detect suicidal risk situations in adults. Argument the principles of prevention and treatment.
• Diagnose bipolar disorder. Argument the therapeutic attitude and plan follow-up at all stages of the disease. Prescribe and monitor mood-regulating treatment.
• Screen for risk factors predisposing to a psychological disorder during pregnancy or postpartum. Recognize the early signs of a psychological disorder in the antenatal and postnatal period. Argument the principles of multidisciplinary care (social, psychiatric, family).
• Diagnose the main psychological disorders in the elderly, taking into account epidemiological particularities. Argument the specific therapeutic attitude and plan the specific monitoring of the main psychological disorders of the elderly subject.
• Identify the main sexual disorders and detect an organic condition in the presence of a sexual disorder. Know how to approach the question of sexuality during a consultation.
• Know the main types of behavioral addictions and the principles of their treatment.
• Identify, diagnose, evaluate the impact of an addiction to psychotropic drugs, cannabis, amphetamines, opiates, synthetic drugs. Know the general principles of care. Know the methods for preventing drug dependence on benzodiazepines and related drugs. Indications and principles of therapeutic withdrawal.
• Identify, diagnose, evaluate the impact of tobacco addiction. Know the treatments for tobacco dependence, the principles Indications and principles of therapeutic withdrawal. Know the methods for preventing drug dependence on benzodiazepines and related drugs. Indications and principles of therapeutic withdrawal.
• Identify, diagnose, evaluate the impact of tobacco addiction.

Teaching	Duration
Infant and child psychic development and neurological disorders	1h
Pervasive developmental disorders	1h
Eating disorders in adolescents and adults	1h
Behavioral disorders, Suicidal behavior adolescents	1h
Depressive disorders in children	1h
Adjustment disorder, Anxiety disorder, Sleep disorder in children	1h
Anxiety disorder, Adjustment disorder, Obsessive-Compulsive disorder	1h
Sleep disorders	1h
Somatoform disorders	1h
Schizophrenic disorder, Chronic persistent delirium, Agitation and delirium	2h
Depressive disorder, Bereavement	2h
Suicidal risk and behavior	1h
Bipolar disorder	1h30
Pregnancy and postpartum psychic disorders	1h30
Mental disorders in the elderly	1h
Normal sexuality and its disorders	1h
Behavioral addiction	1h
Addiction to psychotropic drugs and illicit substances	1h
Tobacco addiction	1h
Alcohol addiction	1h
End of Pole : PSYCHIATRY CONFERENCE	4h
Total duration of « Psychiatry and child psychiatry » courses	***27h***

UE Maxillofacial surgery, Ophtalmology, ORL

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions including at least 15 A-rank questions, QI and/or DP or KFP type of 2 or 8 questions*

Teaching	Duration
Otoneurology	1h30
Oncology and cervical pathologies	1h30
Anterior segment and Retina	3h
Facial traumatology	3h
Rhinology	1h30
Pediatric ENT	1h30
Neuro-ophtalmology, pediatrics, strabismus, eyelids and appendages	3h
GI salivary/infection/mucosa	1h30
Infectious diseases in ORL	1h30
End of Pole : CMF-OPH-ORL CONFERENCE	8h
Total duration of « CMF, Ophtalmology, ORL » courses	***26h***

POLE 6

POLE 6	
UE by term	**ECTS**
UE Emergency-Intensive care	2
UE Therapeutic	2
UE Palliative care / Pain / Anesthesia / Accompaniment	2
LCA of Pole 6	

UE Emergency and Intensive Care

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions including at least 15 A-rank questions (DP-KFP-QI-TCS), QI and/or DP or KFP type of 2 or 8 questions*

Face-to-face revision session (11 hours) + 3 revision ED sessions of 2.5 hours = 7.5 hours – 1 revision conference of 3.5 hours:
• ED n°1: cardio-vascular/respiratory / nephro-metabolic
• ED n°2: hemorrhagic shock / anaphylaxis / hepato-gastro / infectious
• ED n°3: coma / traumatology / circumstantial pathologies / toxicology

Capsule videos 10 min (28 capsule videos x 10 min = 5 hours, one 30 min capsule video = 1 hour of CM or TD):
• Recent neurological deficit
• Acute neuromuscular disorders (PRN + myasthenia gravis)
• Seizures and status epilepticus
• Central nervous system infections
• Bronchopulmonary infections
• Skin and soft tissue infections
• Sepsis and septic shock
• Organ transplants: the donor
• Acute dyspnea
• Monitoring and complications of venous access
• Acute chest pain
• Acute complications of diabetes
• Acute renal failure
• Acid-base disorders
• Dysnatremia
• Dyskalemia
• Perform a transfusion
• Cardiocirculatory arrest
• States of shock: physiopathology
• Exceptional health situations
• Management of polytrauma patients
• Non-traumatic coma
• Acute poisonings
• Anaphylaxis
• Discomfort - loss of consciousness
• Acute respiratory failure
• Acute complications of cirrhosis - digestive hemorrhage
• Burned

Teaching	Duration
States of shock	**2h**
Acute respiratory failure	**2h**
Acute cardiovascular disease	**2h**
Coma and consciousness disorders	**2h**
Acute infections	**2h**
Metabolic disorders	**2h**
Acute hepato-gastroenterology	**2h**
Intoxications + circumstantial pathologies	**2h**
Traumatology	**2h**
End of Pole : IMMUNO-INFLAMMATION CONFERENCE	**4h**
Total duration of « Immuno-inflammation » courses	***22h***

UE Therapeutic

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions, at least 15 of which are rank A, QI and/or DP or KFP type of 2 or 8 questions.*

Teaching	Duration
Anti-cancer	**2h**
NSAIDs, analgesics	**2h**
Proper use of anti-infectives	**2h**
Land at risk	**3h**
Antivirals, antifungals, antiparasitics	**3h**
Cardiovascular, lipid-lowering and antidiabetic treatments	**3h**
Development, drug evaluation	**2h30**
Contraception, menopause, sexual problems	**1h30**
End of Pole : EDN PREPARATION CONFERENCE	**4h**
Total duration of « Therapeutic » courses	***23h***

UE Palliative care / Pain / Anaesthesia and support

ECTS : 2

Final exam : *face-to-face, sub-tests 40 questions including at least 15 A-rank questions, QI and/or DP or KFP type of 2 or 8 questions*

Teaching	Duration
Clinical guidelines in palliative care, Ethical guidelines	**1h30**
Clinical references, pediatric MS	**1h30**
Neurophysiological bases, pathophysiological mechanisms of acute pain dans pain	**2h30**
Analgesic, medicinal and non-medicinal therapies	**3h30**
Local, locoregional and general anaesthesia	**1h**
Pain in children : assessment and analgesic treatment	**1h**
Pain in vulnerable persons	**1h**
Introduction to medical ethics, Ethical guidelines, Sedation and death wish, SP in intensive care unit	**3h**
End of Pole : PALLIATIVE CARE-PAIN-ACCOMPANIEMENT CONFERENCE	**4h**
Total duration of « Palliative care, pain, anaesthesia, support » courses	***19h***

OUT OF POLE courses for DFASM2	
Yearly UE	**ECTS**
UE Forensic Medicine	2
UE Occupational medicine	2
UE Public Health	2
UE Imaging / Radiology	2

Exams in Term 1 (Forensic Medicine, Occupational medicine, Public Health)
Exams in Term 3 (Imaging / Radiology)

Out of Pole course : Forensic Medicine

ECTS : 2

Course duration : *3 x 3 hours*

Final exam : *common exam for other UEs outside the cluster, assessment in term 1 of DFASM2, 1h30, x60 QI and/or DP or KFP type questions from 2 to 8 questions.*

The course cover clinical forensic medicine, thanatology and medical ethics. Case studies are used to illustrate the teacher' points and underline the important concepts to be retained for medical practice in general.

Out of Pole course : Occupational medicine

ECTS : 2

Teaching time: *3 hours*

Final exam : *common exam for other Out of Pole UEs, assessment in Term 1 of DFASM2 only (1h30, 60 questions of the QI and/or DP or KFP type questions, 2 to 8 questions)*

Three-part integrated course Ranked A in the Occupational Medicine EDN program, repeated in the final year as a 3-hour EDN amphi lecture.

Topics covered :

1) Work-related accidents : definition, reporting, compensation
2) Occupational diseases : definition, reporting, compensation
3) The practice of occupational medicine, the relationship with the attending physician, recognition as a disabled worker, disability, job retention

This course is validated by multiple-choice questions.

Out of Pole course : Public Health

ECTS : 2

Assessment in Term 1 only. For more information, please contact the DFASM2 School Office.

Out of Pole course : Imaging / Radiology

ECTS : 2

Final exam : *Assessment in Term 3 of DFASM2 only (1 hour, x40 QI and/or DP type questions from 2 to 8 questions)*

The objectives of imaging teaching in DFASM1 and DFASM2 are to prepare students for the NDA and their future professional life as physicians.

Imaging teaching covers 540 A and B items. Given the large number of items, this teaching has been spread over 2 years (DFASM1 and DFASM2).

A-rank items are taught in compulsory course (UEL), while B-rank items are taught in optional courses (ECO).

In DFASM2 the compulsory course program includes :

- Pediactric radio (4 hours)
- Neurological imaging (4 hours)
- ORL imaging (2 hours)
- Gynecological and senological imaging (2 hours)

The optional course on the same specialties includes 15 hours of classes.

Teaching is interactive, based on clinical cases presented and discussed with students in face-to-face amphitheaters.

Clinical placements in DFASM

ECTS : 8

Clinical placements (electives) in DFASM1 (Year 4) and DFASM2 (Year 5) last between 10 to 12 weeks, equivalent to an entire term.
Students are placed in a Parisian Hospital and clinical ward in one specialty with other French and international students. They have the status of “externe”.

For Erasmus students, the validation of each 10 to 12-week clinical placement results in obtaining 8 ECTS for a total of 24 ECTS for one academic year.

For each clinical placement completed, an overall clinical placement score out of 50 is given and composed of:
- a “clinical placement grade” out of 30
- a “additional clinical placement exam” score out of 20

→ Obtaining the average for this overall mark will validate the corresponding 8 ECTS.

French as a Foreign Language (FLE)

ECTS : 3

Course duration : *classes - 2 hours per week*
« FFL » = French as a Foreign Language

International students can take courses in French as a Foreign Language (FLE) at LANSAD on the Grands Moulins Campus.

These courses are adapted to your level (5 teaching levels from A1 to C1) and enable you to improve your French language skills for living and studying in France.

You can benefit from :

• Semester courses (11 weeks) : 1 grammar course : A1, A2, B1, B2, C1 (and/or)

• A workshop : writing (B1, B2), speaking (B1, B2), civilization (B1, B2), argumentation (C1), cinema (B2/C1)

The « Culture & Civilisation » workshop is aimed at B1/B2 level students from all departments.

The aim of this course is to provide students with the tools they need to better understand the different aspects of French culture.

Contacts and REGISTRATION REQUIRED with LANSAD (place are limited) : masters.lansad.eila@u-paris.fr

Please note : FLE registration is **not managed by the International Relations Office of Université Paris Cité Medical School**.

You must **contact LANSAD** directly at the address indicated.

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https://u-paris.fr/medecine/venir-en-echange/