

Share



Email destinataire :

Vous devez renseigner un email valide

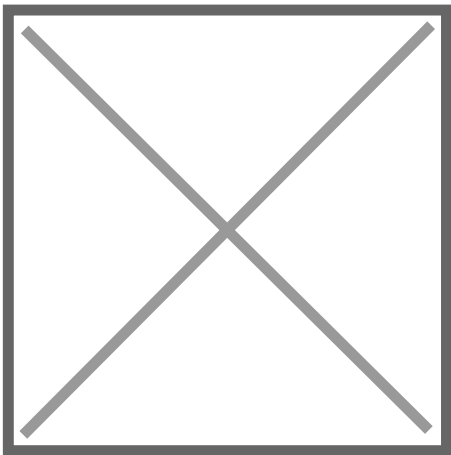
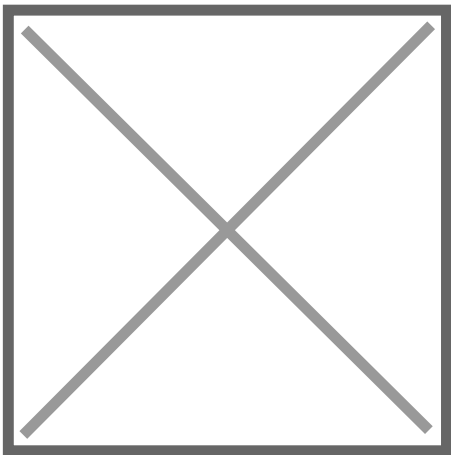
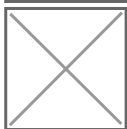
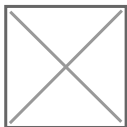
Envoyer

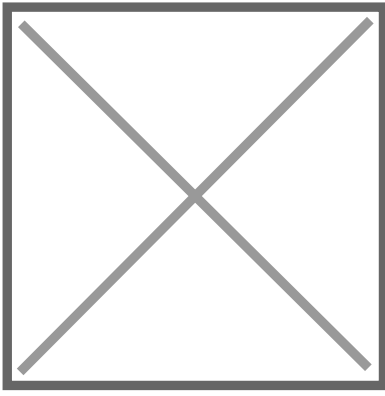
Une erreur est survenue. Merci de réessayer ultérieurement

Le mail de partage a bien été envoyé.

Add to Compare

M1 Development of Drugs and Health Products





Master's degree

Specialisation Pharmaceutical Science

Enrolment type

Full-time academic programmes Life-long learning

Language(s) of instruction

English

The master D2HP "Development of Drugs and Health Products" is part of the path "Sciences du Médicament et des Produits de Santé" offered at the Université Paris-Saclay. It is an international master totally taught in English (M1 and M2) with a "research" purpose (pursuit of a Doctorate) or "professional" (direct integration into the socio-economic world at the master level).

In M1 and M2 D2HP, the program is divided into 3 axes:

- Axis 1: Current issues in the major pathologies
- Axis 2: Pharmacist's toolbox
- Axis 3: Transversal pharmaceutical disciplines

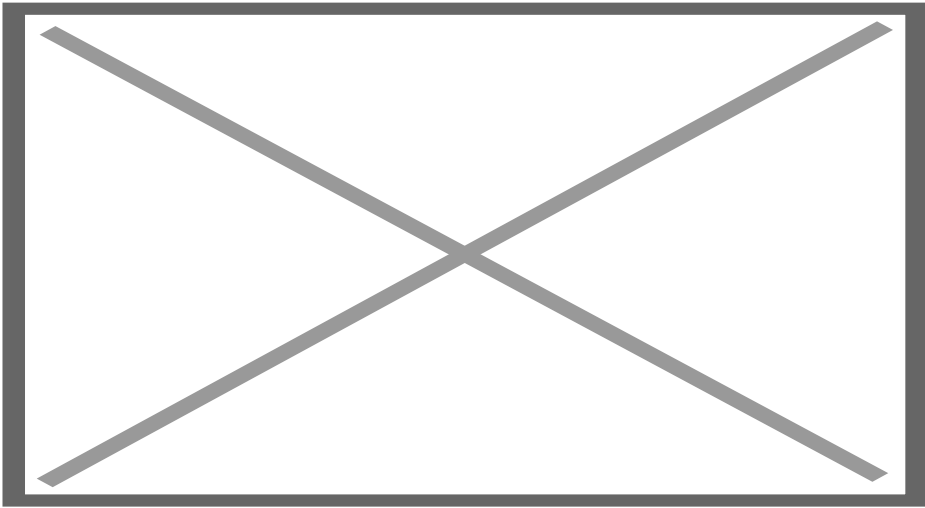
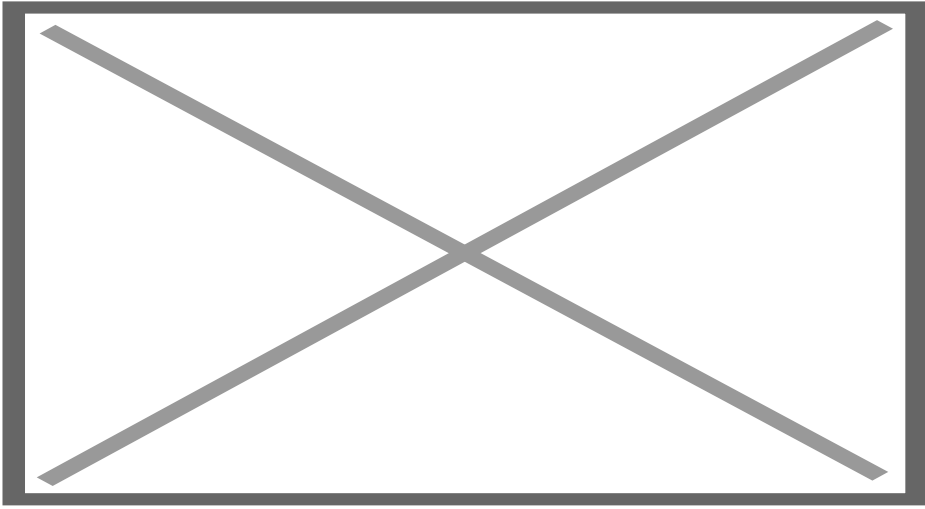
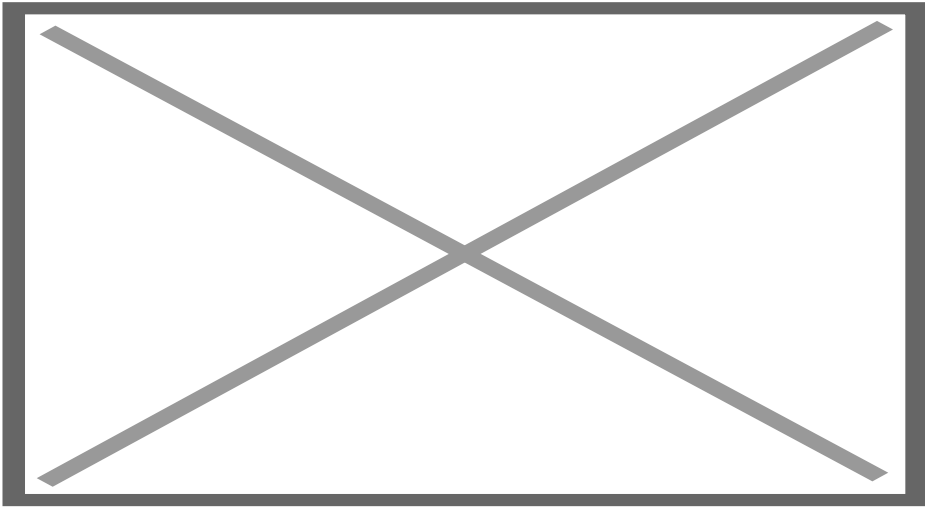
The M1 is composed of 2 semesters:

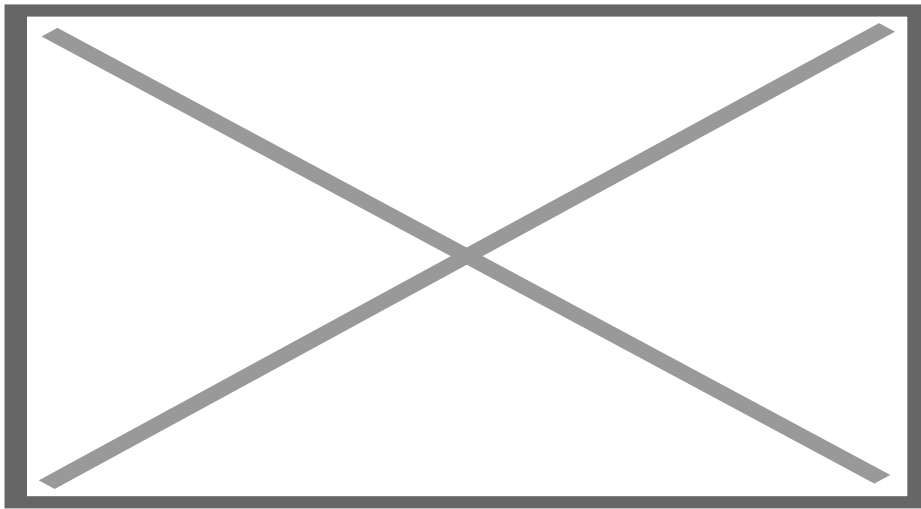
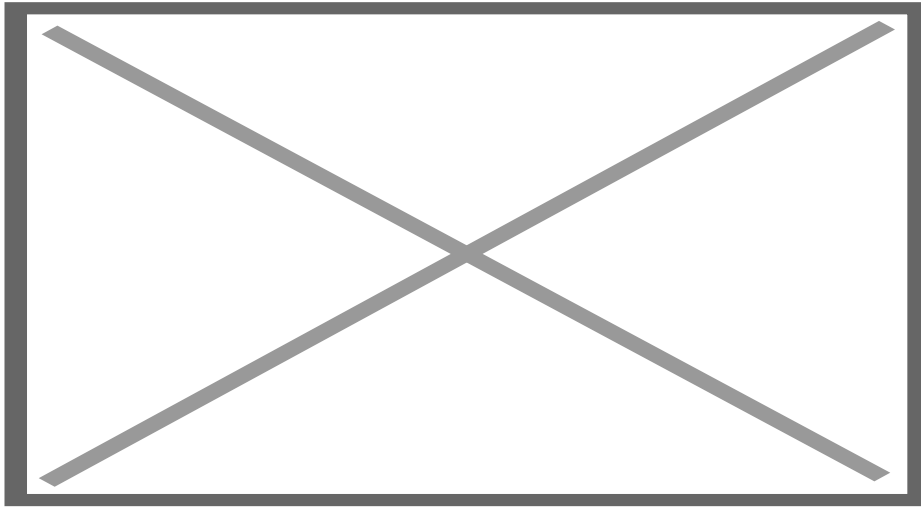
- the first semester offers theoretical and practical courses (including core and optional courses, group works, practical works and case studies) and an online competition, a serious game called "Rush Pharmaceutical Business Game"
- and the second semester is dedicated also to theoretical and practical courses and a 2-month internship. During the whole semester, the students will work on the organization of an international symposium that will last 2 days at the beginning of July. They will have also to present the results of their internship project under the format of a flash presentation.

At the M2 level, the students specialize by choosing 2 of the 3 axes:

- 1- Axis 1 + Axis 2
- 2- Axis 1 + Axis 3
- 3- Axis 2 + Axis 3

[Télécharger la fiche détaillée](#)
[Apply Now](#)





■ ■

Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

Skills

The M1 D2HP will allow the development of the following skills:

- Understand the continuum from the discovery of a health product to the development of a medicine
- Identify the current challenges of major pathologies, the underlying molecular mechanisms and dysregulations of physiological functions in a logic of targeting and molecular drugability
- Know the methodologies and existing models for screening therapeutic targets, synthesis, formulation and production of health products

- Know the analytical control and biological tests used for drug production
- Know the principles of scientific ethics
- Analyze and present the results of a scientific publication
- Develop one's critical thinking
- Use advanced and specialized digital tools
- Adapt communication for research, knowledge transfer or scientific popularization
- Work as a team
- Acquire project management skills
- Being able through their knowledge (hard and soft skills) to integrate into a team of collaborators in the public or private environment

Objectives

The objective of this multidisciplinary master D2HP is to train future managers in the pharmaceutical field with a versatile, scientific and technical expertise, and an opening-up to socio-economic world and/or research laboratories. The master provides advanced knowledge on the main pathologies and their underlying mechanisms in order to improve strategies to implement diagnosis, innovative treatment and prevention.

The M1 D2HP provides extensive training in the field of pharmaceutical sciences with a specialization in drug and health product development. It covers the basic and up to date knowledge on:

- 1- Current diseases and the dysregulations of major physiological functions, the associated fine mechanisms as well as the main associated systemic consequences
- 2- The biotechnological, formulation and medicinal chemistry tools
- 3- Pharmaco-toxicological and analytical methods with an extension to environmental impacts in order to implement diagnosis, treatment and prevention in a virtuous logic of sustainability and reduction of the impact on the environment

Débouchés

Career prospects

After a Master's + PhD: researcher or lecturer

After a Master's or Master's + PhD: engineer (Research & Development, control, production, etc.)
Ingenieur R&D

Further Study Opportunities

Master of Pharmaceutical and Health Products Sciences

Calendar

Start of programme (indicative date)

21/09/2026

Admission

Capacity

Available Places

25

Target Audience and Entry Requirements

Admission in M1 D2HP is possible for:

- students having validated a Bachelor of Sciences in Global Health (Pharmacy, Biology, Chemistry, Biotechnology or Biochemistry)
- PharmD, MD
- Engineers in the field of Health
- People in continuous training in the field of Health. The file will be evaluated on a case-by-case basis according to the professional project and career plan.

after validation of the specific knowledge prerequisites by the M1 co-heads

and after proof of English proficiency: TOEFL, IELTS, Cambridge certifications or equivalent

Période(s) de candidature

Inception Platform

From 21/01/2026 to 10/04/2026

Supporting documents

Compulsory supporting documents

Copy diplomas.

Copy of the last diploma.

Copy of passport.

Copy of identity document.

Motivation letter.

Letter of recommendation or internship evaluation.

Document at your convenience.

Indicate sources of funding envisaged (own funding, funds from the country of origin, Campus France or Paris-Saclay Scholarship, etc.)

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Certificate of English level.

Curriculum Vitae.

Cambridge English certificate ou equivalent.

If courses in previous grade were all in English, upload a certificate from the University. No other certificate of English level is required.

Detailed description and hourly volume of courses taken since the beginning of the university program.

Recommendation letters.

Additional supporting documents

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Supporting documents :

- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

Immersion in French culture and Health sciences

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
RU 01 Symposium : communication science across levels	1	Semestre 2		22				

RU 01 Symposium : communication science across levels

ECTS : 1

Semester: Semestre 2

Detail

Directed study: 22

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Registration to the master M1 D2HP

Type of assessment

Evaluation Continue non Intégrale

[TU 00](#)

[Immersive cultural and scientific exchanges](#)

1	Semestre 1	10	32
---	------------	----	----

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
■								

TU 00 Immersive cultural and scientific exchanges

ECTS : 1

Semester: Semestre 1

Detail

Lecture: 10

Directed study: 32

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered to the M1 master's degree D2HP

Type of assessment

Evaluation Continue non Intégrale

Axis 1 - Current Issues in major pathologies

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
TU 02 Infectiology	5	Semestre 2	27	6				
■								

TU 02 Infectiology

ECTS : 5

Semester: Semestre 2

Detail

Lecture: 27

Directed study: 6

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered in the international master's degree D2HP

Type of assessment

Evaluation Continue non Intégrale

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
TU 03 Physiopathology of major functions : a cornerstone to drug discovery	4	Semestre 1	22	2				
■								

TU 03 Physiopathology of major functions : a cornerstone to drug discovery

ECTS : 4

Semester: Semestre 1

Detail

Lecture: 22

Directed study: 2

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being enrolled in the international master's degree
D2HP

Type of assessment

Evaluation Continue non Intégrale

TU 05 Cancer Cell Biology	3	Semestre 1	13.5	8.5
---	---	------------	------	-----

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

■

TU 05 Cancer Cell Biology

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 13.5

Directed study: 8.5

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Be enrolled in the international master’s degree D2HP

Type of assessment

Evaluation Continue non Intégrale

[TU 04 Hemato-
and
immunopathology](#)

4

Semestre
1

24

■

TU 04 Hemato- and immunopathology

ECTS : 4

Semester: Semestre 1

Detail

Lecture: 24

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

To be enrolled in the M1 "Development of Drugs and Health Products"

Type of assessment

Evaluation Continue non Intégrale

Axis 2 - Pharmacy and Biotechnology

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

[TU 06
Pharmaceutical
engineering I](#) 5 Semestre 15
1

TU 06 Pharmaceutical engineering I

ECTS : 5

Semester: Semestre 1

Detail

Lecture: 15

Project : 15

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

To be enrolled in the M1 Development of drugs
and health products

Type of assessment

Evaluation Continue non Intégrale

[TU 07 The
Medicinal
Chemist's
Toolbox I](#) 5 Semestre 28 4
2

TU 07 The Medicinal Chemist's Toolbox I

ECTS : 5

Semester: Semestre 2

Detail

Lecture: 28

Directed study: 4

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

To be enrolled in the M1 Development of Drugs
and Health Products

Type of assessment

Evaluation Continue non Intégrale

[TU 08](#)
[Biotechnology](#) 5 Semestre 1 25 5
[I](#)
 ■

TU 08 Biotechnology I

ECTS : 5

Semester: Semestre 1

Detail

Lecture: 25

Directed study: 5

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered in the international master's degree D2HP

Type of assessment

Evaluation Continue non Intégrale

Axis 3 -Transversal pharmaceutical subjects

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	di study
TU 01 Introduction to research and entrepreneurship ■	3	Semestre 2	12	33	6			

TU 01 Introduction to research and entrepreneurship

ECTS : 3

Semester: Semestre 2

Detail

Lecture: 12

Practical study : 6

Directed study: 33

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

enrolled in the M1 D2HP master

Type of assessment

Evaluation Continue non Intégrale

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	di study
TU 09 Analytical sciences I	4	Semestre 1	19	8				

TU 09 Analytical sciences I

ECTS : 4

Semester: Semestre 1

Detail

Lecture: 19

Directed study: 8

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

To be enrolled in the M1 Development of drugs and health products

Type of assessment

Evaluation Continue non Intégrale

TU 10 Environment - pharmaceuticals and sustainable development	3	Semestre 1	13	11.5
---	---	------------	----	------

TU 10 Environment - pharmaceuticals and sustainable development

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 13

Directed study: 11.5

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

To be enrolled in the M1 Development of drugs and health products

Type of assessment

Evaluation Continue non Intégrale

TU 11 Pharmacology/Toxicology I	5	Semestre 2	12	12
---	---	------------	----	----

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------



TU 11 Pharmacology/Toxicology I

ECTS : 5
Semester: Semestre 2
Detail
Lecture: 12
Directed study: 12
Language(s) of instruction
Anglais
Remote teaching
non
Prerequisites

To be enrolled in the M1 "Development of Drugs and Health Products"

Type of assessment
Evaluation Continue non Intégrale

Elective teaching units

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
OTU 01 Diagnosis of infectious diseases	2	Semestre 2	2	6	12			

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

OTU 01 Diagnosis of infectious diseases

ECTS : 2

Semester: Semestre 2

Detail

Lecture: 2

Practical study : 12

Directed study: 6

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered in the master's degree D2HP

Type of assessment

Evaluation Continue non Intégrale

[OTU 02](#)

[French as
foreign
language](#)

2	Semestre
2	2

OTU 02 French as foreign language

ECTS : 2

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Being registered in the master D2HP

Type of assessment

Evaluation Continue non Intégrale

[OTU 03 Gene
cloning](#)

2	Semestre	2	20
1	1		

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

■

OTU 03 Gene cloning

ECTS : 2

Semester: Semestre 1

Detail

Practical study : 20

Directed study: 2

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered to the master's degree D2HP

Type of assessment

Evaluation Continue non Intégrale

[OTU 05](#)

Pharmaceutical engineering	2	Semestre 1	3	3	12
--	---	------------	---	---	----

■

OTU 05 Pharmaceutical engineering

ECTS : 2

Semester: Semestre 1

Detail

Lecture: 3

Practical study : 12

Directed study: 3

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

To be enrolled in the Development of drugs and health products master

Type of assessment

Evaluation Continue non Intégrale

[OTU 11](#)

Vaccinology	2	Semestre 1
-----------------------------	---	------------

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

■

OTU 11 Vaccinology

ECTS : 2

Semester: Semestre 1

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered to the master D2HP

Type of assessment

Evaluation Continue non Intégrale

[OTU 15](#) 2 Semestre
[Nanomedicine](#) 1

■

OTU 15 Nanomedicine

ECTS : 2

Semester: Semestre 1

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

To be enrolled in the master Development of Drugs and Health Products

Type of assessment

Evaluation Continue non Intégrale

[Free teaching](#) 2 Annualisé
[Unit X](#)

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
■								

Free teaching Unit X

ECTS : 2

Semester: Annualisé

Language(s) of instruction

Français

Remote teaching

non

Overall organisation

Students can choose one of the OTU proposed in the master's programm or one from the teaching unit catalog that will be offered in September 2026.

Type of assessment

Evaluation Terminale

Training through research

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
ORU 01 Bibliographical work	8	Semestre 2	0					
■								

ORU 01 Bibliographical work

ECTS : 8

Semester: Semestre 2

Detail

Lecture: 0

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered in the master's degree D2HP

Type of assessment

Evaluation Continue non Intégrale

[ORU 02 Internship](#)

8

Semestre 2



ORU 02 Internship

ECTS : 8

Semester: Semestre 2

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Being registered to the master's degree D2HP

Type of assessment

Evaluation Continue non Intégrale

Teaching Location(s)

ORSAY

GIF SUR YVETTE

Contact



Secrétariat Pédagogique

Manager Web

<http://www.universite-paris-saclay.fr/formation/master/sciences-du-medicament-et-des-produits-de-sante/m1-development-drugs-and-health-products>