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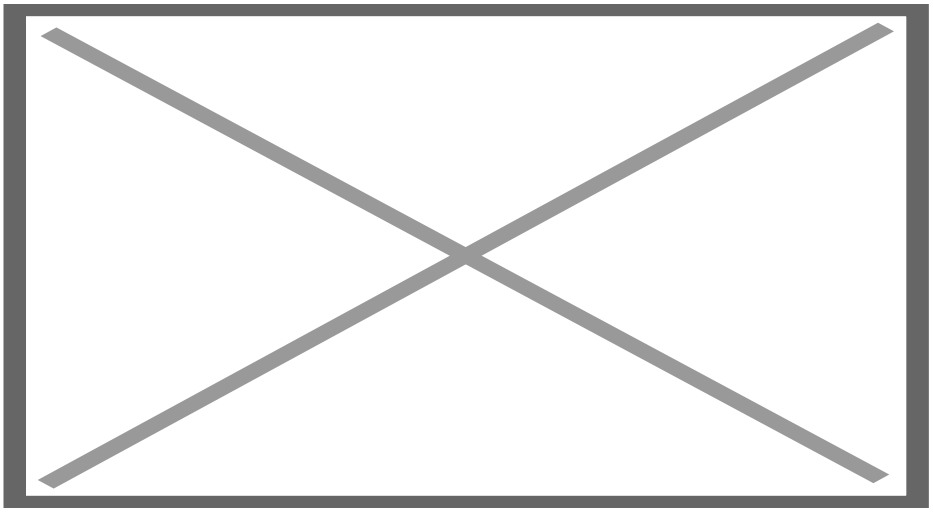
M1 Physics - Irène Joliot-Curie lane - IOGS

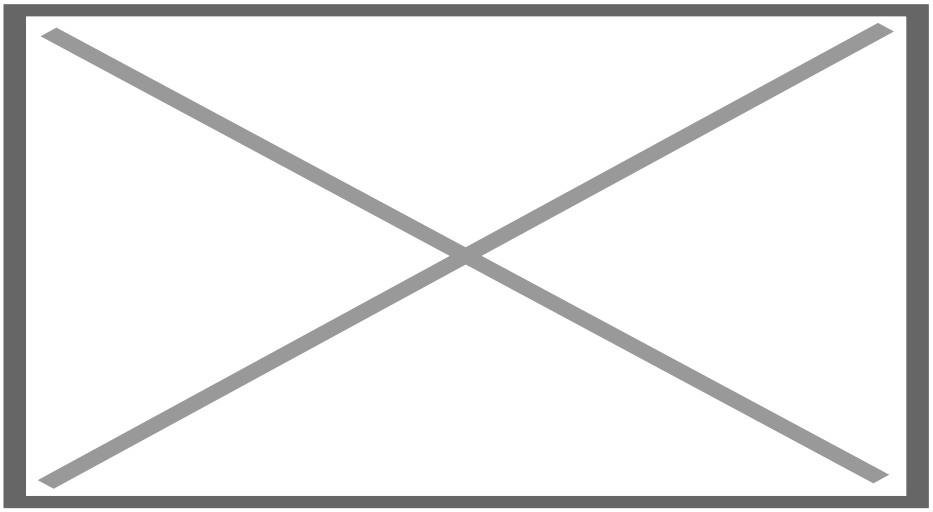
Master's degree
Specialisation Physique fondamentale et applications
Language(s) of instruction
English
French

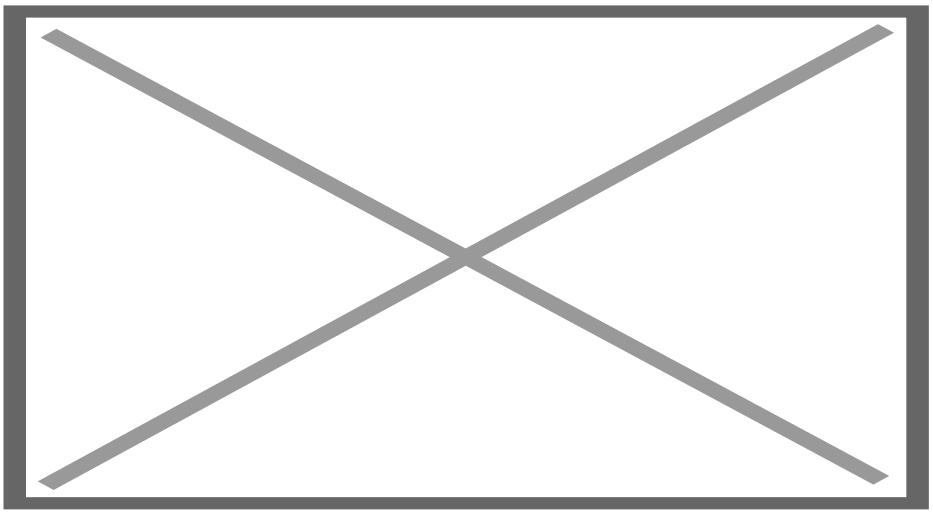
The 1st year Master's Irène Jolliot Curie - Institut d'Optique Graduate School (IJC-IOGS) is a double-degree programme of excellence: an engineering degree from Institut d'Optique and a 1st year Master's programme including shared courses in general physics with our partners at Université Paris Saclay.

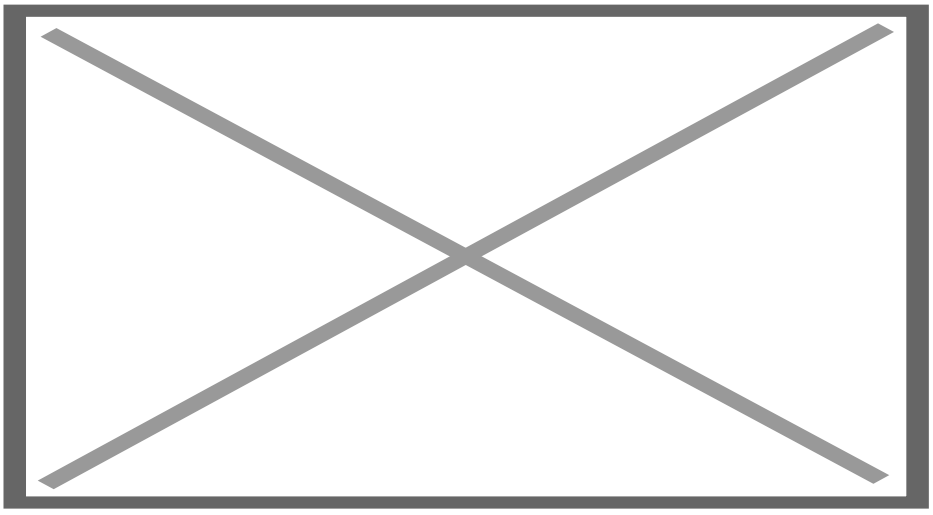
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Information

- Overview
- Application requirements
- Schedule

Présentation

Skills

Master and apply specialised physics knowledge with the necessary scientific rigour.

Objectives

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Admission

Admission Route

Physics

Capacity

Available Places

15

Target Audience and Entry Requirements

The 1st year Master's Irène Joliot Curie * Institut d'Optique Graduate School (IJC-IOGS) is aimed at IOGS engineering students, as well as French or international university students who have entered the Institut d'Optique engineering school on the basis of their academic qualifications, and who wish to deepen their curriculum through a double university course.

Période(s) de candidature

Inception Platform

From 25/08/2026 to 10/09/2026

Supporting documents

Compulsory supporting documents

Copy of identity document.

Motivation letter.

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

Curriculum Vitae.

Additional supporting documents

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

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

Recommendation letters.

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

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dista lear cou
Travaux pratiques de photonique	4	Semestre 2			36				
Charger le détail									
Optique des ondes guidées	2	Semestre 2	23						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d l
Ondes et Matière	9	Semestre 1	51.5	18	36				
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d l
Fondamentaux d'Optique	3	Semestre 1	27.5	0	18				
Charger le détail									
Calcul Scientifique	3	Semestre 1	32						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lear cou
Noyaux et particules	6	Semestre 1	24						
Charger le détail									
Physique atomique et moléculaire	6	Semestre 1	24						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis lea co
Think international (S1)	3	Semestre 1	26						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distan learni cours
Physique des plasmas	3	Semestre 2	10		8				
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis lea co
Think international (S2)	2	Semestre 2	18						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distan learni cours

stage	15	Semestre 2

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Entrepreneuriat et Innovation	2	Semestre 2						

Charger le détail

Projet de Formation Scientifique	2	Semestre 2						

Charger le détail

Introduction à la matière condensée	2	Semestre 1	18					

Charger le détail

Traitement d'Images	2	Semestre 2	9					

Charger le détail

Optique et Biologie	2	Semestre 2	18					

Charger le détail

Sources à Semiconducteurs	2	Semestre 2	18					

Charger le détail

Holographie et Speckle	2	Semestre 2	18					

Charger le détail

Interaction Matière Rayonnement	2	Semestre 2	18					

Charger le détail

Teaching Location(s)

ORSAY
PALAISEAU

Contact

- **Rosa TUALLE-BROURI**

http://www.universite-paris-saclay.fr/formation/master/physique-fondamentale-et-applications/m1-physique-voie-irene-joliot-curie-iogs