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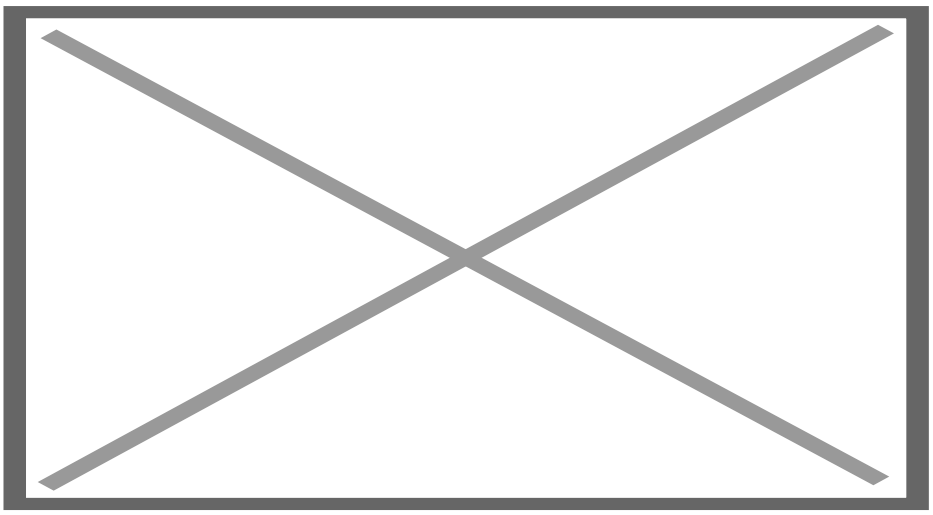
# LDD2 Economie, Mathématiques

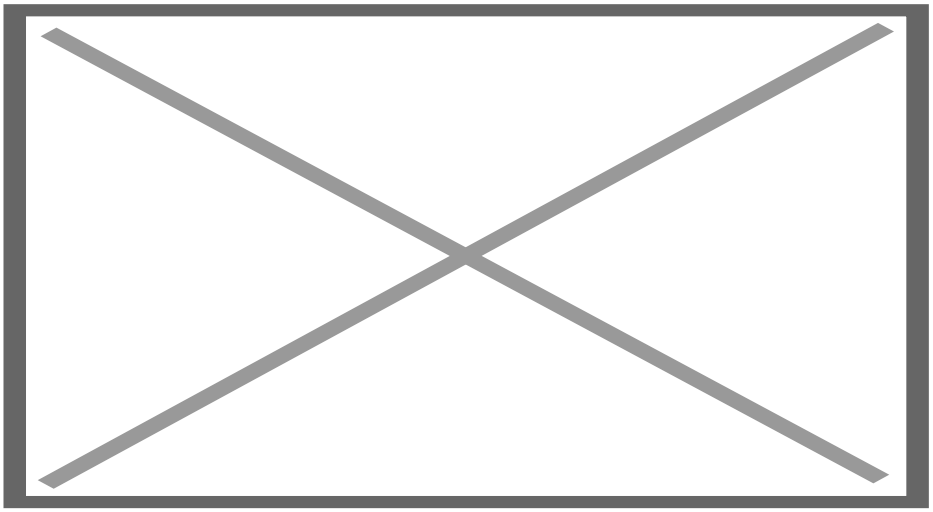
Licence Double-Diplôme (Undergraduate double degree)
Specialisation Economie, Mathématiques
Language(s) of instruction
English
French

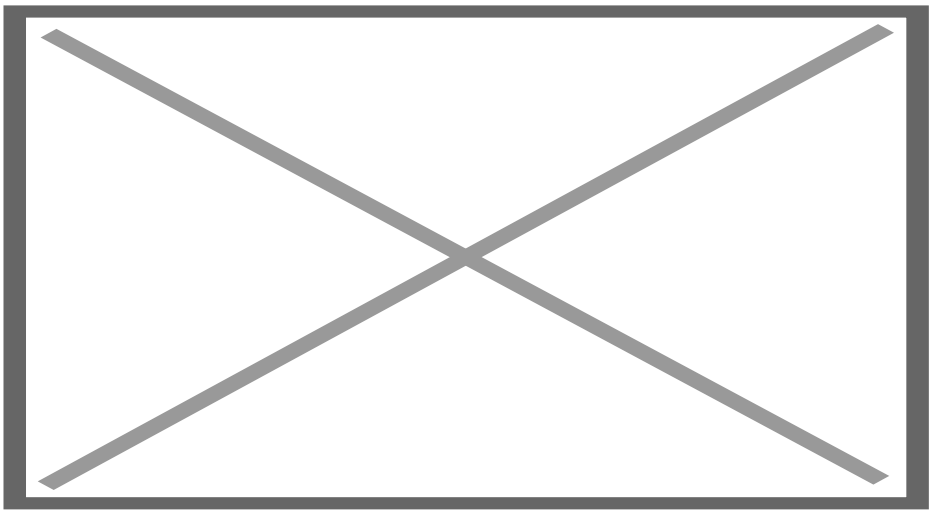
The second year of the Licence Double Diplôme Économie, Mathématiques (LDD2 EM) deepens the fundamental concepts and weaves explicit links between the two disciplines. The level of demand and abstraction increases, aiming to equip students with more powerful tools in mathematics and economics, while fostering their autonomy.

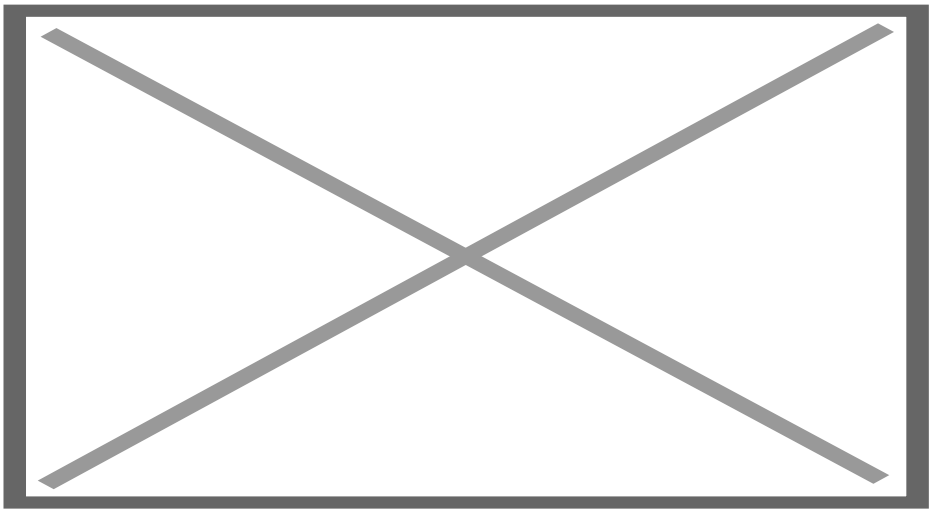
LDD2 EM builds on the foundations acquired in the first year to raise the level of understanding and formalization. Courses in mathematics and economics become more conceptual. Specific modules begin to bridge the two disciplines. The program continues to include transversal courses and gradually prepares students for their orientation in LDD3.

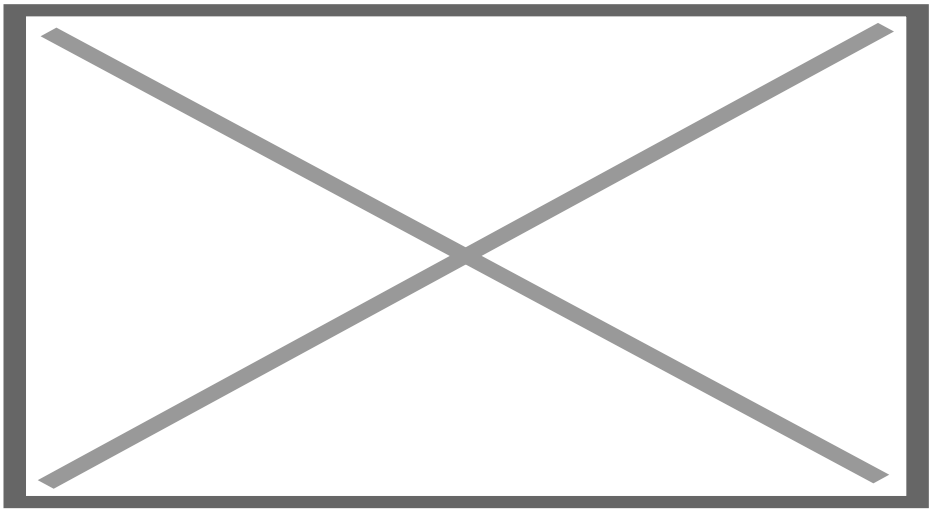
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# Information

- Overview
- Application requirements
- Schedule

Présentation

# Skills

Upon completion of LDD2, the student will be able to:

- In mathematics, manipulate more advanced concepts and understand new ones (probabilities...);
- In economics, implement more advanced quantitative and qualitative methods and tools for empirical observation and analysis;
- In an interdisciplinary manner, develop skills in mathematical modeling, particularly for economics;
- In transversal skills, conduct in-depth work, individually or in groups, and present a synthetic analysis orally and in writing in French or English.

# Objectives

The objectives of LDD2 EM are: to deepen theoretical knowledge in both disciplines and develop abstraction skills, to introduce central quantitative tools, to initiate the mathematical formalization of more complex economic problems, to develop autonomy in work and the ability to synthesize concepts from different fields, to continue developing transversal skills, and to prepare for orientation in LDD3.

Admission

# Capacity

### Available Places

30

# Target Audience and Entry Requirements

Access to LDD2 EM is primarily reserved for students who have successfully completed LDD1. Admission is possible for a very limited number of external students with an excellent level in mathematics and a demonstrated interest in economics. A strong capacity for adaptation and hard work is required to keep up with the demanding pace of the program.

# Période(s) de candidature

E-candidat Platform

From 18/05/2026 to 24/05/2026

Programme

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Economie publique | 4 | Semestre 2 | 33 | | | | | |
| Charger le détail | | | | | | | | |
| Monnaie et finance | 4 | Semestre 1 | 33 | | | | | |
| Charger le détail | | | | | | | | |
| Data science : introduction | 4 | Semestre 2 | 33 | | | | | |
| Charger le détail | | | | | | | | |
| Economie du travail | 4 | Semestre 1 | 33 | | | | | |
| Charger le détail | | | | | | | | |
| Macroéconomie 2 | 5 | Semestre 2 | 33 | 15 | | | | |
| Charger le détail | | | | | | | | |
| Microéconomie 2 | 5 | Semestre 1 | 33 | 15 | | | | |
| Charger le détail | | | | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | dis lea co |
|---|---|---|---|---|---|---|---|---|---|
| Structures algébriques | 5 | Semestre 1 | 24 | 24 | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | dis lea co |
|---|---|---|---|---|---|---|---|---|---|
| Charger le détail | | | | | | | | | |
| Analyse numérique avec python | 4 | Semestre 2 | 12 | | 24 | | | | |
| Charger le détail | | | | | | | | | |
| Probabilités et Statistiques | 5 | Semestre 1 | 24 | 24 | | | | | |
| Charger le détail | | | | | | | | | |
| Analyse et géométrie | 5 | Semestre 2 | 24 | 24 | | | | | |
| Charger le détail | | | | | | | | | |
| Analyse et convergence | 5 | Semestre 1 | 24 | 24 | | | | | |
| Charger le détail | | | | | | | | | |
| Algèbre linéaire 2 | 5 | Semestre 2 | 24 | 24 | | | | | |
| Charger le détail | | | | | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Anglais - FSO - L2 S4 - 2 ECTS - 1 UE parmi 6 | | | | | | | | |
| Anglais - FSO - L2 S4 - 2 ECTS | 2 | Semestre 2 | | 24 | | | | |
| Charger le détail | | | | | | | | |
| Theater workshop - FSO - S2 - 2 ECTS | 2 | Semestre 2 | | 24 | | | | |
| Charger le détail | | | | | | | | |
| Reading and creative writing workshop - FSO - S2 - 2 ECTS | 2 | Semestre 2 | | 24 | | | | |
| Charger le détail | | | | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Intercultural communication EUGLOH project - FSO - S2 - 2 ECTS | 2 | Semestre 2 | 24 | | | | | |
| Charger le détail | | | | | | | | |
| Writing workshop - FSO - S2 - 2 ECTS | 2 | Semestre 2 | 24 | | | | | |
| Charger le détail | | | | | | | | |
| Debate club - FSO - S2 - 2 ECTS | 2 | Semestre 2 | 30 | | | | | |
| Charger le détail | | | | | | | | |
| Anglais - FSO - L2 S3 - 2 ECTS - 1 UE parmi 6 | | | | | | | | |
| Anglais - FSO - L2 S3 - 2 ECTS | 2 | Semestre 1 | 24 | | | | | |
| Charger le détail | | | | | | | | |
| Theater workshop - FSO - S1 - 2 ECTS | 2 | Semestre 1 | 24 | | | | | |
| Charger le détail | | | | | | | | |
| Reading and creative writing workshop - FSO - S1 - 2 ECTS | 2 | Semestre 1 | 24 | | | | | |
| Charger le détail | | | | | | | | |
| Intercultural Communication EUGLOH project - FSO - S1 - 2 ECTS | 2 | Semestre 1 | 24 | | | | | |
| Charger le détail | | | | | | | | |
| Debate Club - FSO - S1 - 2 ECTS | 2 | Semestre 1 | 30 | | | | | |
| Charger le détail | | | | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Writing worshop - FSO - S1 - 2 ECTS | 2 | Semestre 1 | | 24 | | | | |
| Charger le détail | | | | | | | | |
| UE transverses (hors anglais) | | | | | | | | |
| PPEI 2 | 1 | Semestre 2 | | 6 | | | | |
| Charger le détail | | | | | | | | |
| Stage facultatif | 0 | Semestre 2 | | | | | | |
| Charger le détail | | | | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | dis lea c |
|---|---|---|---|---|---|---|---|---|---|
| UEs obligatoires | | | | | | | | | |
| Oraux de math S3 | 2 | Semestre 1 | | 5 | | | | | |
| Charger le détail | | | | | | | | | |
| Oraux de math S4 | 2 | Semestre 2 | 0 | 5 | | | | | |
| Charger le détail | | | | | | | | | |
| Applied economics seminar | 2 | Semestre 2 | | 15 | | | | | |
| Charger le détail | | | | | | | | | |
| Commerce international | 4 | Semestre 1 | 33 | | | | | | |
| Charger le détail | | | | | | | | | |
| Projet d’initiation à la recherche | 2 | Semestre 2 | | | | | | | |
| Charger le détail | | | | | | | | | |
| Modélisation | 4 | Semestre 2 | 12 | 12 | | | | | |
| Charger le détail | | | | | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | dis lea c |
|---|---|---|---|---|---|---|---|---|---|
| Brevet AI - S2 - Formule avancée (SPOC) | 2 | Semestre 2 | 20 | | | | | | |
| Charger le détail | | | | | | | | | |
| SPOC : Enjeux de la transition écologique | 3 | Semestre 1 | | 2 | | | | | |
| Charger le détail | | | | | | | | | |
| 1 UE au choix | | | | | | | | | |
| UE libre Catalogue S1 | 2.5 | Semestre 1 | | | | | | | |
| Charger le détail | | | | | | | | | |

# Teaching Location(s)

ORSAY

# Contact

- **Arnaud DURAND**
- **Manon Garrouste**

http://www.universite-paris-saclay.fr/formation/licence-double-diplome/economie-mathematiques/ldd2-economie-mathematiques