



Universidad Complutense de Madrid
Universidad Politécnica de Madrid



PhD Programme in Mathematical Engineering, Statistics and Operation Research (IMEIO)



Centro Excelencia
Internacional
Campus Moncloa

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Academic Year 2025-2026

Algunos aspectos generales

- Interuniversity PhD programme (UCM-UPM), regulated by the decree RD99/2011 (modified by RD 576/2023)
<http://www.mat.ucm.es/imeio/>
- Tutor is assigned on admission.
- PhD advisor(s) assigned before 3 months since admission (January).
- Full-time studies (4 years) and part-time (7 years).1 extra year possible in both modalities. Temporary leaves can be granted.
- Formation complements versus formation activities (IMEIO has no formation complements).

Secuenciación de actividades (1^{er} año)

Sep./Oct.: admission, tutor assignation and registration



First semester: initial research courses
~ 3 month since starting: PhD Advisor and tesis
inscription



Second semester: preparation of the Research Plan



June: presentation of the Research Plan

Formative Activities-1: curses

- 90h of research courses: [hours = $(4/3)(\text{class hours})$]
 - 60+20+10+0h (full-time). (yellow = initial)
 - 30+20+10+20+10+0+0h (part-time).
- List of courses in: <http://www.mat.ucm.es/imeio/cursosdoct/>
- Courses chosen with the approval of the Tutor (up to 40% can be from outside de program with approval)
- Inscription in platform, not after 31/10/2025
Try for the approximate number of hours requiered.
- Communication of the admission: 02311/2025.
Courses start from 3/11/2025*. If a course is cancelled you may chose another one.
- Queries first to tutor / organizer / last coordinator of courses:
leonardo.fernandez@upm.es

* Some may start exceptionally before. 4

Formative activities -2: other

- Attending research talks (45h; 3h per 1 hour talk):
 - 12+12+12+9h (full-time).
 - 9+9+9+6+6+3+3h (part-time).
- Participation in seminars (talks given by you) (60h):
 - 5+10+10+15h (full-time). (we consider that 1h talk requires 9h of preparation)
 - 0+0+5+5+10+10+10h (part-time).
- Attending conferences and workshops: 120h (12h/day conference).
- Attending modeling week and group study with enterprises: 30h.
- Collaboration in management of research activities: 30h.
- Other: visits to research centres abroad, etc.

Formative activities-3: Students coming from other PhD programs

- Students with “*Suficiencia Investigadora*” (RD185/1985), or “*DEA*” (RD778/1998) or having passed the formation period in a PhD programme (RD1393/2007):
 - If they come from a related field (to be judged by the Academic Commission of the Doctorate Programme, CAPD), it will count as all the activities of the first year of a full-time student. THEY WILL NOT BE EXEMPTED OF PRESENTING THE RESEARCH PLAN FOR THE FIRST YEAR.
 - If they come from unrelated fields the CAPD will decide which formation activities to recognize.
- In the case of students without Sufic. Invest./DEA/formation period completed, but with some previous PhD activities or courses achieved, the CAPD will decide which formation activities to recognize.
- The minimum period before defending the PhD will be one Academic Year, in all cases.

Formative activities-4: register

- For the PhD program (IMEIO):
 - Register of activities (excel file). Cumulative. Mandatory each course for validation. Completed before defending the thesis.
- In each University:
 - UCM: Rapi2
 - UPM: Thesis

Fill in each course.

Resources for formation activities

www.mat.ucm.es/imeio

Instituto de Matemática Interdisciplinar (IMI)

(At the Facultad de Matemáticas, UCM) Courses, seminars, workshops... <http://www.mat.ucm.es/imi/>, IMI Data Science Club

Distribution list, write to: secreadm.imi@mat.ucm.es.

“Seminario de doctorandos” (PhD candidates seminar)

(At Facultad de Matemáticas, UCM) Giving or attending talks
<http://www.mat.ucm.es/doctorandosmat/>.

Contact: doctorandos.mat@ucm.es

ICMAT: Instituto de Ciencias Matemáticas (CSIC-UCM-UAM-UC3M)

Instituto Severo Ochoa, organizes activities on a regular basis.

Weekly programme: <https://www.icmat.es/events/week>