

PHD PROGRAMME IN INFORMATICS

The NEMPS PhD programme is structured to provide students with skills in two fields of Informatics that are often studied in isolation: **new media and pervasive systems**.

Expertise gained in NEMPS assists in solving new paradigms and in developing innovation within the context of the Internet, its services, and their applicability.

Throughout 3 years students shall study and research aspects related to a multidisciplinary programme, which comprises, among others, digital media, reality mining, complex systems, and pervasive communication systems.



NEMPS at a Glance

The programme is split into a Curricular component (first year) and a Research component (second and third years).

Curricular component

The programme comprises eleven (11) curricular units in two semesters. Students have to do 60 ECTS in 4 mandatory courses and 3 optional courses.

First Semester

Mandatory courses:

- Research and innovation methodologies (10 ECTS)
- Digital media (10 ECTS)

Optional courses (select 2 out of 4):

- Interaction design (5 ECTS)
- Open-source systems (5 ECTS)
- Cooperative wireless systems (5 ECTS)
- Interactive media (5 ECTS)

Second Semester

Mandatory courses:

- Thesis planning (15 ECTS)
- Pervasive communication systems (10 ECTS)

Optional courses (select 1 out of 2):

- Reality mining (5 ECTS)
- Complex systems (5 ECTS)

Research component

Students have to do 120 ECTS by developing their PhD thesis.



n e m p s

Novos Media e Sistemas Ubíquos
New Media and Pervasive Systems



UNIVERSIDADE
LUSÓFONA

Who Can Apply?

Applicants must satisfy at least one the following requirements, according to Portuguese legislation for third cycles:

- To have an MSc or similar post-graduation degree in one of the following areas: Informatics, Electrical/Electronics and Computer Engineering; Multimedia, or any other similar area.
- To have a graduation in national or international institution recognized by the NEMPS Scientific Commission.
- To have a professional or scientific/technological curriculum, which is considered of relevancy to NEMPS.
- The applicants should speak and write fluently in English.

Why Should YOU Apply?

NEMPS is proud to be dedicated to the most recent paradigms and theoretical directions concerning Informatics Sciences. By being part of NEMPS you acquire skills in recent fields of Informatics Sciences, and acquire a unique mix of technical skills derived from know-how related to new media and to pervasive systems. These two fields are commonly provided in isolation.

Opportunities Offered

- Internships with associated partners
- Research developed within the context of COPELABS projects
- Industry and academic integration after PhD completion
- Summer school

Where our Graduates Work

At the COPELABS R&D unit (<http://copelabs.ulusofona.pt>) -- first floor, Building U, university campus.

COPELABS is the Association for Research and Development in Cognition and People-centric Computing.

Additional facilities at University Lusofona:

- 2 lecturing auditoriums and a lecture hall
- Classrooms with capacity up to 40 persons.
- Social area, shared within the COPELABS R&D Unit.
- Dedicated space in Library Vitor de Sá, which comprises over 4,000 monographies, periodicals, and access to journals/magazines.

International Summer School

Each year a Summer School (1 week) is organized in different sessions, involving candidates, teaching staff and external experts from academia and industry.



Associated Partners

