Artificial Intelligence & Computing
PhD Programs

Academic regulations review
Scope

- Advanced training for research, specific and cross-disciplinary activities such as: courses/seminars/tutorials/conferences attendance and presentations.
- Elaboration and presentation of an original & high quality PhD dissertation in a research area of a UPC research group associated with the PhD Program.

<table>
<thead>
<tr>
<th>Artificial Intelligence</th>
<th>Computing</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPLN</td>
<td>ALBCOM</td>
</tr>
<tr>
<td>KEMLG</td>
<td>GIE</td>
</tr>
<tr>
<td>LOGPROG</td>
<td>LARCA</td>
</tr>
<tr>
<td>SOCO</td>
<td>LOGPROG</td>
</tr>
<tr>
<td></td>
<td>ViRVIG</td>
</tr>
</tbody>
</table>
**Structure (full-time student)**

- **Course XX**
- **Course XX+1**
- **Course XX+2**

First enrolment

- enrolment
- enrolment
- PhD Submitted

Enrolment + ask for a year extension

- Year 1
- Year 2
- Year 3

- Research Plan & Activities Progress report (Student)
- Research Progress report (Tutor/Advisor)

- Research Plan Public Presentation
- & Activities Progress report (Student)
- Research Progress report (Tutor/Advisor)

PhD Academic Committee evaluation

Submission – First enrolment >= 2 years
PhD thesis submission procedure

- Classical thesis
- *Article-based thesis* (see Program regulation)
- Thesis containing confidential material (see UPC regulation)
## Required training activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
<th>Duration</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tutoring</td>
<td>Discussion sessions and research work with the supervisor or tutor</td>
<td>180h</td>
<td>Supervisor</td>
</tr>
<tr>
<td>Program Seminar</td>
<td>Attendance and participation in the joint seminar</td>
<td>6h</td>
<td>Seminar Res.</td>
</tr>
<tr>
<td>Seminars</td>
<td>Organized by the research groups that support the program.</td>
<td>30h</td>
<td>Seminar Res.</td>
</tr>
<tr>
<td>Courses</td>
<td>Intensive courses (1 or 2 weeks, 10 hours per week) linked to mobility programs or research groups participating in the doctoral program. (*)</td>
<td>30h</td>
<td>Course Res.</td>
</tr>
<tr>
<td>Work-Shop</td>
<td>Attendance to an international conference or workshop</td>
<td>36h</td>
<td>Certificate of attendance</td>
</tr>
</tbody>
</table>

(*) Under the supervisor/tutor guidance, some of the cross-disciplinary research activities offered by UPC Doctoral School can be selected.
## Ideal planning

<table>
<thead>
<tr>
<th>Activity</th>
<th>By</th>
<th>Academic year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrolment</td>
<td>September</td>
<td>1st</td>
</tr>
<tr>
<td>Agreement with Supervisor</td>
<td>Oct-Nov</td>
<td>1st</td>
</tr>
<tr>
<td>Research plan draft + Activity report</td>
<td>July</td>
<td>2nd</td>
</tr>
<tr>
<td>Research plan memo + presentation</td>
<td>June</td>
<td>2nd</td>
</tr>
<tr>
<td>Activity report</td>
<td>July</td>
<td>2nd</td>
</tr>
<tr>
<td>Thesis draft to reviewers</td>
<td>January</td>
<td>3rd</td>
</tr>
<tr>
<td>Research plan update + Activity report</td>
<td>July</td>
<td>3rd</td>
</tr>
<tr>
<td>Thesis defence</td>
<td>September</td>
<td>3 months research visit</td>
</tr>
</tbody>
</table>
Terms: exceptions

- Part time
- Extension
- Extraordinary
- Personal leave/illness do not count but require authorisation of the AC
- Bridging courses, if required upon admission, will not be counted as part of the maximum period of study
Research Plan

• The research plan must include
  – A state of the art,
  – the methodology used,
  – the objectives pursued,
  – the resources to be used, and
  – a timeline for achieving the objectives

• Program specific regulations are STILL under discussion
Article-based thesis

• >= 3 published contributions
  – Relevant quality in the research area
  – Significant contribution of the candidate
  – Form a thematic unit
• Co-authored paper
  – Supervisor has to certify contribution of candidate
  – Co-authors authorisation
  – Non doctor co-authors commitment not to use the contribution in their thesis
• Assessed by external reviewers
For Professors

An assignment of thesis supervisor is required to issue an admission

- Maximum two advisors

Exceptions: the thesis work is done under some agreement (dual degree, co-tutele, eramus mundus ...) that establishes a different rule.
Documents

- Internal regulations of the doctoral school of the Universitat Politècnica de Catalunya
- Academic regulations for doctoral degree courses
- *Normativa per a presentar la tesi doctoral com a compedi de publicacions*: Artificial Intelligence/Computing

- [doctorat.upc.edu/en/academic-management/regulations](http://doctorat.upc.edu/en/academic-management/regulations)
Web links

• computing.phd.upc.edu
• postgrau.upc.edu/ai

• doctorat.upc.edu
• cs.upc.edu

• We are working on the new webpages
They will be accessible soon.
DAD

• Extension of the **Drac** System
• Close to be launched
• Should replace the annual activity report
• For both students and advisors
The Erasmus program includes now doctoral studies
3 or 6 months research stay
Limited number and little money
Erasmus+ KA103 November 30th, 2017 Europe
Erasmus+ KA107 opening soon Australia, Canada, USA, Japan, Malasia, Morocco, Korea, Tunisia and China
Questions?