



Universitat de Lleida

# DEGREE CURRICULUM **BACHELOR'S THESIS**

Coordination: PLANES CID, JORDI

Academic year 2020-21

## Subject's general information

|  |   |        |            |                  |
|--|---|--------|------------|------------------|
| Subject name                             | BACHELOR'S THESIS   |        |            |                  |
| Code                                     | 102060  |        |            |                  |
| Semester                                 | UNDEFINED   |        |            |                  |
| Typology                                 | Degree  | Course | Character  | Modality         |
|  | Bachelor's Degree in Computer Engineering   | 4      | COMPULSORY | Attendance-based |
|  | Double bachelor's degree: Degree in Computer Engineering and Degree in Business Administration and Management | 5      | COMPULSORY | Attendance-based |
| Course number of credits (ECTS)          | 15  |        |            |                  |
| Type of activity, credits, and groups    | Activity type   | TFG    |            |                  |
|  | Number of credits   | 15     |            |                  |
|  | Number of groups  | 1      |            |                  |
| Coordination                             | PLANES CID, JORDI   |        |            |                  |
| Department                               | COMPUTER SCIENCE AND INDUSTRIAL ENGINEERING   |        |            |                  |
| Important information on data processing | Consult <a href="#">this link</a> for more information.   |        |            |                  |
| Language                                 | Catalan, Spanish and English.   |        |            |                  |

| Teaching staff                | E-mail addresses            | Credits taught by teacher | Office and hour of attention |
|-------------------------------|-----------------------------|---------------------------|------------------------------|
| ALBERTOS MARCO, FÉLIX         | felix.albertos@udl.cat      | 1                         |                              |
| ANSOTEGUI GIL, CARLOS JOSE    | carlos.ansotegui@udl.cat    | 1                         |                              |
| ARGELICH ROMA, JOSEP          | josep.argelich@udl.cat      | 1                         |                              |
| BEJAR TORRES, RAMON           | ramon.bejar@udl.cat         | 3                         |                              |
| DOMINGO ALBIN, JAVIER JUAN    | xavier.domingo@udl.cat      | ,5                        |                              |
| GARCIA GONZALEZ, ROBERTO      | roberto.garcia@udl.cat      | 3,5                       |                              |
| GARRIDO NAVARRO, JUAN ENRIQUE | juanenrique.garrido@udl.cat | 2,5                       |                              |
| GERVÁS ARRUGA, JORGE          | jordi.gervas@udl.cat        | 2                         |                              |
| GIBERT LLAURADÓ, DANIEL       | daniel.gibert@udl.cat       | ,5                        |                              |
| GIL IRANZO, ROSA MARÍA        | rosamaria.gil@udl.cat       | 2,5                       |                              |
| GIMENO ILLA, JUAN MANUEL      | juanmanuel.gimeno@udl.cat   | 2,5                       |                              |

| Teaching staff               | E-mail addresses           | Credits taught by teacher | Office and hour of attention |
|------------------------------|----------------------------|---------------------------|------------------------------|
| GRANOLLERS SALTIVERI, ANTONI | toni.granollers@udl.cat    | 4,5                       |                              |
| LERIDA MONSO, JOSEP LLUIS    | josepluis.lerida@udl.cat   | ,5                        |                              |
| MATEO FORNÉS, JORDI          | jordi.mateo@udl.cat        | 1                         |                              |
| MATEU PIÑOL, CARLOS          | carles.mateu@udl.cat       | 1                         |                              |
| MIRET BIOSCA, JOSE MARIA     | josepmaria.miret@udl.cat   | 1                         |                              |
| MOLTO ARIBAU, MA. MARGARITA  | marga.molto@udl.cat        | 4                         |                              |
| OLIVA SOLE, MARTA            | marta.oliva@udl.cat        | 1,5                       |                              |
| PASCUAL ALMENARA, AFRA MARÍA | afra.pascual@udl.cat       | 1,5                       |                              |
| PLANES CID, JORDI            | jordi.planes@udl.cat       | 3,5                       |                              |
| RIUS TORRENTÓ, JOSEP MARIA   | josep.riustorrento@udl.cat | 1                         |                              |
| SEBE FEIXAS, FRANCISCO       | francesc.sebe@udl.cat      | 6                         |                              |

| Teaching staff            | E-mail addresses        | Credits taught by teacher | Office and hour of attention |
|---------------------------|-------------------------|---------------------------|------------------------------|
| SENDÍN VELOSO, MONTSERRAT | montse.sendin@udl.cat   | 6                         |                              |
| TEIXIDÓ CAIROL, MERCÈ     | merce.teixido@udl.cat   | ,5                        |                              |
| VILAPLANA MAYORAL, JORDI  | jordi.vilaplana@udl.cat | ,5                        |                              |

## Subject's extra information

You will find all the information about the [Computer Engineering Bachelor's Thesis](#) in the grade web.

## Learning objectives

Bachelor's thesis is a subject which is included in the syllabus of every bachelor's degree. In case of bachelor's degree in Computer Engineering, bachelor's thesis (BT) has 15 ECTS, it has to be done in the last academic year and it comprises work that every student (or a group of students) carries out under the supervision of a director or two co-directors.

This work allows students to show their acquired knowledge and competences associated with the bachelor's degree in an integrated way.

## Competences

### Strategic Competitions of the UdL:

- CT1. Acquire a suitable understanding of written, oral Catalan and Spanish.
- CT2. Mastering a foreign language, especially English.

### Cross-disciplinary competence of the EPS:

- EPS1. Capacity to solve problems and prepare and defence arguments inside the area of studies.
- EPS2. Capacity to gather and interpret relevant data, within the area of study, to judge and think about relevant subjects of social, scientific and ethical nature.
- EPS3. Capacity to convey information, ideas, problems and solutions to both a specialized and no specialized public.
- EPS4. To have the skills required to undertake new studies or improve the training with self-direction.
- EPS8. Capacity of planning and organizing the personal work.

## Methodology

Every bachelor's thesis is directed by a director or two co-directors. The director or one of the co-directors must be a teacher who belongs to a teaching department of the same degree.

An external teacher may be proposed as a co-director, in which case a member of the UdL teaching staff must

perform as a director.

## Development plan

### Proposal

A proposal of the bachelor's thesis may be carried out in the following ways:

- A student's proposal.
- An [enterprise's](#) proposal.
- A department's proposal.
- Proposals carried out within the framework of the convention of [cooperation between university and enterprise](#).
- Projects carried out within the framework of the mobility offered at UdL.

A proposal must be accepted by the director (or the co-director) and the coordinator of the degree. In order to enrol in the bachelor thesis it is necessary to have already passed 180 credits.

### Enrolment

The enrolment allows a student to apply to reading his/her bachelor's thesis in a call during the academic year. In order to enrol in the bachelor thesis it is necessary to present its [proposal](#).

Enrolment may be processed during two periods along the academic year:

- At the beginning of the first quarter.
- At the beginning of the second quarter.

Dates and requirements for presenting the bachelor's thesis can be found at the following link: [http://www.eps.udl.cat/secretaria/treballs\\_finals/treballs\\_finals.html](http://www.eps.udl.cat/secretaria/treballs_finals/treballs_finals.html)

## Evaluation

The bachelor's thesis will be assessed following continuous assessment methodology. Corresponding marks of different items will be collected by the director through Continuous Assessment Portfolio of the BT, available at [this link](#).

The final mark will be based on the marks of the following four items:

- Initial report (10%) which shows assimilation of the aims and context of the BT to carry out. It is assessed by the director.
- Follow-up report (10%) which presents evolution of the BT and decisions made. It is assessed by the director.
- Final document of the BT (50%). It is assessed by the director.
- Presentation and defense of the BT in front of an examination committee (30%). The student will present his/her project and defend it publically answering committee's questions.