

|                  |                                      |               |                |                                     |       |
|------------------|--------------------------------------|---------------|----------------|-------------------------------------|-------|
| Course Unit      | Final Project                        |               | Field of study | Project                             |       |
| Bachelor in      | Electrical and Computers Engineering |               | School         | School of Technology and Management |       |
| Academic Year    | 2021/2022                            | Year of study | 3              | Level                               | 1-3   |
| Type             | Semestral                            | Semester      | 2              | ECTS credits                        | 6.0   |
|                  |                                      |               | Code           | 9112-742-3203-00-21                 |       |
| Workload (hours) | 162                                  | Contact hours | T -            | TP -                                | PL 60 |
|                  |                                      |               | TC -           | S -                                 | E -   |
|                  |                                      |               | OT -           | O -                                 |       |

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Orlando Manuel de Castro Ferreira Soares

#### Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Make scientific reasoning with critical spirit, use scientific libraries and to have self-confidence in result analysis.
2. Apply the knowledge acquired in the several scientific areas of electrical engineering.
3. Solve problems while facing new challenges.
4. Make oral and written communication, as well as arguing in a critical and supported way, proposals and achieved results.
5. Make self-learning and team work, in a perspective of learning throughout the life and with a high autonomy degree.
6. Identify and apply ethical, deontological and normative/prescribed/etc. questions associated to the professional practice.

#### Prerequisites

Before the course unit the learner is expected to be able to:  
Apply the acquired knowledge during the degree course.

#### Course contents

It depends on the specification of each work.

#### Course contents (extended version)

- It depends on the specification of each work.

#### Recommended reading

Depende da especificidade de cada trabalho.

#### Teaching and learning methods

The learning methodology is based on the accomplishment of project/work/training, which must be enough including and integrator, and depending on its detailed specification, are developed sessions of type PL, TC, S, OT that allow them to have support and to learn the subjects that will confer them with the results of the learning and of the expected abilities.

#### Assessment methods

- Alternative 1 - (Regular, Student Worker) (Final, Supplementary, Special)
- Projects - 100%

#### Language of instruction

Portuguese

#### Electronic validation

|  |                                   |                            |
|--|-----------------------------------|----------------------------|
| Orlando Manuel de Castro Ferreira Soares | José Luís Sousa de Magalhaes Lima | Paulo Alexandre Vara Alves |
| 03-03-2022                               | 11-03-2022                        | 19-03-2022                 |