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|------------------|---------------------|----------------|---------------------------------------|
| Course Unit      | Final Project       | Field of study | Project                               |
| Bachelor in      | Civil Engineering   | School         | School of Technology and Management   |
| Academic Year    | 2023/2024           | Year of study  | 3                                     |
| Type             | Semestral           | Semester       | 2                                     |
| Level            | 1-3                 | ECTS credits   | 6.0                                   |
| Code             | 9089-322-3204-00-23 |                |                                       |
| Workload (hours) | 162                 | Contact hours  | T - TP 48 PL 12 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) António Miguel Verdelho Paula, Maria Isabel Lopes Marcelino Dias de Abreu, Sílvia Maria Afonso Fernandes

#### Learning outcomes and competences

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

1. Apply the knowledge, acquired during the course, in an integrated way to design projects in the Civil Engineering domain.
2. Identify constraints in project design and understand the important role of coordination and compatibilization among the multidisciplinary specialties involved
3. Design, develop and organize written and drawn components, of the multidisciplinary specialties of a project, in an suitable way for its production
4. Face new challenges by adopting innovative solutions, technical, economical and environmentally sustainable.
5. Prepare reports and make your presentation and public discussion before a jury.

#### Prerequisites

Before the course unit the learner is expected to be able to:

1. Apply the knowledge acquired in the domain of the specialties required by the Project.
2. Develop work in group with autonomy and coordination capabilities

#### Course contents

The contents to be included in Project unit should be multidisciplinary and established by a supervisor, depending on the particularities of the project to be undertaken by students. It's suggested to consult the guidelines of Project unit.

#### Course contents (extended version)

1. The contents to be included in the Project unit should be multidisciplinary.
2. The contents should be establish by the tutor, upon the features of the Project.
3. It's suggested to consult the guidelines of Project unit.

#### Recommended reading

1. Bibliografia de referência fornecida pelo orientador em função das características do trabalho a realizar.
2. Em resultado do processo interativo da orientação, poderá ser estimulada a pesquisa bibliográfica.

#### Teaching and learning methods

Work in group, following a plan of work monitored by a supervisor, through tutorial teaching with the regular meetings.

#### Assessment methods

- Alternative 1 - (Regular, Student Worker) (Final)
- Work Discussion - 100% (Presentation and discussion of a written report evaluated by a jury)

#### Language of instruction

Portuguese

#### Electronic validation

|                               |                               |  |                          |
|-------------------------------|-------------------------------|--|--------------------------|
| António Miguel Verdelho Paula | Flora Cristina Meireles Silva | Debora Rodrigues de Sousa Macanjo Ferreira | José Carlos Rufino Amaro |
| 20-02-2024                    | 20-02-2024                    | 27-02-2024                                 | 02-03-2024               |