

POLI ESCOLA SUPERIOR TECNOLOGIA GESTÃO TÉCNICO GUARDA	SUBJECT DESCRIPTION	MODELO PED.013.03
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Course	Topographic Engineering					
Subject	PROJECT					
Academic year	2023/2024	Curricular year:	3rd	Study period	2nd semester	
Type of subject	Compulsory	Student workload (H)	Total: 252	Contact: 30	ECTS	9
Professor(s)	PhD Eufémia da Glória Rodrigues Patrício PhD Elisabete dos Santos Veiga Monteiro					
☒ Area/Group Coordinator ☐ Head of Department	PhD Maria Elisabete Santos Soares (select)					

PLANNED SUBJECT DESCRIPTION

1. LEARNING OBJECTIVES

Provide students with conducting a study of technical-scientific in their training and future professional activity, which should involve multidisciplinary knowledge acquired during their academic graduation. Another objective is to simulate the capability for analysis and synthesis, allowing integrating the technical and scientific knowledge acquired in the various areas of training, as reflected in preparation of a written report

2. PROGRAMME

The theme of the work to develop the Project is chosen from a list of proposals provided to students. The theme of the Project may also be submitted by the students in the area of interest, which will be approved since met the requirements necessary for the preparation of work.

After choosing the theme of Project, students should plan the work taking into consideration the submission of document progress report shall contain the following information:

- a) Objective of Project;
- b) Development program work;
- c) Strategies to address the issue;
- d) Current state;
- e) Principal bibliography;

The Project work may be performed in a group (maximum of two students).

3. COHERENCE BETWEEN PROGRAMME AND OBJECTIVES

With this curricular unit, students should acquire professional competence to pursue their scientific and technical activities as part of their training in Topographic Engineering. The content lectured on each

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topic allows students to acquire skills to know/recognize and propose solutions to resolve problems, independently or in groups, in carrying out a Topographic Engineering Project.

4. MAIN BIBLIOGRAPHY

Bibliography is related to the specific topic of each Project.

5. TEACHING METHODOLOGIES (INCLUDING EVALUATION)

In the realization of their Project work, students are guided and supported by one or more teachers, according to the programmed work time for the subject.

The evaluation shall examine various aspects found during the realization of work namely: commitment technical and scientific skills, the sense of initiative, the ability to solve problems, the working method, demonstrated the ability of synthesis, the application of acquired knowledge and critical thinking. The classification should take into consideration: the evaluation of the final document which is Project, the oral presentation and discussion of Project.

The minimum score is 10 (ten) points. The evaluation is conducted on a scale of 0 (zero) to 20 (twenty).

6. COHERENCE BETWEEN TEACHING METHODOLOGIES AND OBJECTIVES

To achieve the proposed objectives the teaching methodology is based on theoretical and practical classes and laboratory practice once a week. In these classes students can count on the support of the teacher in guiding their work, being that the students themselves must develop their ability to use, explore and handle equipment and software, with the Project ending in the final draft of a report, which will be presented and discussed to a jury.

7. ATTENDANCE

In the development of their respective works of Project, students are guided and supported by one or more teachers, in period assigned to curricular unit. Should be assiduous, in order to clarifying questions or points of view by teachers the guiding the Project.

8. CONTACTS AND OFFICE HOURS

Teachers:

Eufémia da Glória Rodrigues Patrício

Email: gpatricio@ipg.pt; Office number 78

Elisabete dos Santos Veiga Monteiro

Email: emonteiro@ipg.pt; Office number 74;

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Disciplinary area coordinator:

Maria Elisabete Santos Soares

Email: esoares@ipg.pt; Gabinete 71

9. OTHERS

If IPG equipment is used, it must be handled with care.

DATE

4 de março de 2024

SIGNATURES

Professor(s), Area/Group Coordinator or Head of Department signatures

Area/Group Coordinator

(Eufémia da Glória Rodrigues Patrício)

Professor

(Eufémia da Glória Rodrigues Patrício)

Professor

(Elisabete dos Santos Veiga Monteiro)