

Bachelor Thesis

Academic Year: (2019 / 2020)

Review date: 01-05-2019

Department assigned to the subject: Department of Electronic Technology

Coordinating teacher: DIOS FERNANDEZ, CRISTINA DE

Type: Bachelor Thesis ECTS Credits : 12.0

Year : XX Semester :

STUDENTS ARE EXPECTED TO HAVE COMPLETED

Those required by the University in relation to the conditions to start the Bachelor Thesis

COMPETENCES AND SKILLS THAT WILL BE ACQUIRED AND LEARNING RESULTS.

The aim of this course is for students to acquire knowledge and skills in the global aspects of Electrical Engineering, using technical and professional aspects.

The student will make an individual project of a professional nature to synthesize and integrate the skills acquired in his/her engineering studies. The work must be defended in front of a board of examiners.

The competencies to be acquired by the student are:

1. Ability to analyze, synthesize, organize and plan the necessary information for the development of project, issuing a professional opinion, ethical and rigorous in choosing the technology options in the project.
2. Using a combination of general and specialized knowledge of electrical engineering to solve a problem or optimize the application of existing and emerging technologies.
3. Applying appropriate theoretical and practical methods to analyze and solve problems and to propose an proper solution from among several alternatives.
4. Design and conduct engineering projects using the principles and methodology of the electrical engineering.
5. Managing a project from a technical, economic and trade point of view, using planning tools and project management.
6. Communicate effectively, both orally and in writing, all results and documents relating to the project.
7. Preparation of documents following the standards proposed for the Bachelor Thesis.

Learning Outcomes:

1. General knowledge about the development of a comprehensive project related to some aspect of the degree in Electrical Engineering.
2. Search and management of technical and commercial information related to the project.
3. Developing a complete project, following the guidelines defined by the tutor.
4. Research and self-study to propose the best possible solution for a technical problem.
5. Preparation of written reports.
6. Public presentation of results.

DESCRIPTION OF CONTENTS: PROGRAMME

1. The Bachelor Thesis
2. Presentation of working topics
3. How to carry on the Bachelor Thesis: contents, memory and presentation
4. Planning and project management
5. Project Budgeting

LEARNING ACTIVITIES AND METHODOLOGY

- Lectures (0,5 ECTS credits)

* Lectures are oriented to acquire specific skills in solving engineering problems, especially those related with common knowledge and specific techniques related to electrical engineering.

- Tutorials and group work (1 ECTS).

- Personal work (10.5 ECTS).

* Aimed especially to the realization of the Bachelor Thesis.

ASSESSMENT SYSTEM

Oral presentation in front of a board of examiners.

Evaluation by means of the evaluation matrix (or headings) of the University.

The University uses the Turnitin Feedback Studio program within the Aula Global for the delivery of student work. This program compares the originality of the work delivered by each student with millions of electronic resources and detects those parts of the text that are copied and pasted. If the student has correctly made the appointment and the bibliographic reference of the documents he uses as a source, Turnitin will not mark it as plagiarism.

% end-of-term-examination:	60
% of continuous assessment (assignments, laboratory, practicals...):	40