

Academic Year: (2023 / 2024)

Review date: 08-04-2018

Department assigned to the subject: Electrical Engineering Department

Coordinating teacher:

Type: Compulsory ECTS Credits : 3.0

Year : 4 Semester : 2

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Electrical Installations, Power lines and Switchgears

OBJECTIVES

At the end of this unit, the student must be able to create - in an anonymous and independent manner - an electrical engineering project from scratch as well as to develop management, supervision and control skills for ongoing engineering projects. The student must therefore demonstrate he/she can deal with the different project related documentation, steps (phases), available tools for coordination purposes and with the Standards and Regulation in place (REBT, RD 1627/1997, RD 624/2001). More specifically, the student will learn how to manage projects that involve electrical components.

DESCRIPTION OF CONTENTS: PROGRAMME

Project Phases. Project documentation. Budget. Environmental impact analysis. Project implementation. Coordination. Regulations.

LEARNING ACTIVITIES AND METHODOLOGY

The teaching methodology consists of:

- Master classes, seminars in reduced groups, students presentations, tutorials and individual work that focus on acquiring theoretical knowledge (3 ECTS credits)

- Project Management Office (PMO) practice exercises through specific IT software as well as individual tutorials and regular students work that aim at acquiring practical skills (3 ECTS credits).

ASSESSMENT SYSTEM

- Partial assessment based on assignments, active participation in class and knowledge assessment tests.
- Final Examination

% end-of-term-examination: 50

% of continuous assessment (assignments, laboratory, practicals...): 50

BASIC BIBLIOGRAPHY

- Alberto Domingo Ajenjo Dirección y Gestión de Proyectos:Un enfoque practica , Ra-ma, 2005
- Elvira Yebes López, Mercedes Andrés Gay Project 2007, ANAYA, 2007
- Fernando Santos Sabrás Ingeniería de proyectos, EUNSA. Ediciones Universidad de Navarra S.A, 2002
- Manuel de Cos Castillo Teoría General de Proyecto, Sintesis, 1997
- Ted Klastorin Gestión de Proyectos, Bresca, 2010
- null PMI GLOBAL STANDARD. Guía de los Fundamentos de la Dirección de Proyectos. Tercera Edición. (Guía del PMBOK) Norma Nacional Americana ANSI/PMI 99-001-2004., PMI.

