

Academic Year: ( 2024 / 2025 )

Review date: 10-09-2024

Department assigned to the subject: Computer Science and Engineering Department

Coordinating teacher: AMESCUA SECO, ANTONIO DE

Type: Compulsory ECTS Credits : 6.0

Year : 1 Semester : 1

## DESCRIPTION OF CONTENTS: PROGRAMME

- 1.- Project Management in Computer Engineering: Introduction
  - 1.1.- Classic approach
  - 1.2.- Agile approach
  - 1.3.- Mixed approach
  
- 2.- Project Management in Computer Engineering: Processes and Techniques (mixed approach)
  - 2.1.- Principles
  - 2.2.- Business Case Process
  - 2.3.- Organization Process and Roles
  - 2.4.- Quality Process
  - 2.5.- Planning Process
  - 2.6.- Risk Process
  - 2.7.- Change Process
  - 2.8.- Control and Monitoring Process
  
- 3.- Project Management in Computer Engineering: Main Activities (mixed approach)
  - 3.1.- Project Start-up Activities
  - 3.2.- Project Execution Activities
  - 3.3.- Project Control Activities
  - 3.4.- Product Delivery Activities
  - 3.5.- Project Closing Activities
  
- 4.- Project Management in Computer Engineering: Specific aspects of agility
  - 4.1.- DevOps
  - 4.2.- Requirements
  - 4.3.- Communication
  - 4.4.- Frequent releases
  - 4.5.- Agile contracts

## LEARNING ACTIVITIES AND METHODOLOGY

### FORMATION ACTIVITIES

- AF1 - Theoretical class [23,33 hours, 100 % attendance]
- AF2 - Practical classes [25 hours, 100% attendance]
- AF5 - Tutorials [2 hours, 25% attendance]
- AF6 - Group work [50 hours, 0% attendance]
- AF7 - Individual student work [77 hours, 0% attendance]
- AF8 - Midterm and final exams [2 hours]

### TEACHING METHODOLOGIES

MD1 - Lectures in the teacher's class with the support of computer and audiovisual media, in which the main concepts of the subject are developed and the bibliography is provided to complement the

students' learning.

MD2 - Critical reading of texts recommended by the professor of the subject: Press articles, reports, manuals and / or academic articles, either for later discussion in class, or to expand and consolidate the knowledge of the subject.

MD3 - Resolution of practical cases, problems, etc ... raised by the teacher individually or in groups

MD4 - Presentation and discussion in class, under the moderation of the teacher, on topics related to the content of the subject, as well as practical cases

MD5 - Preparation of works and reports individually or in groups

#### ASSESSMENT SYSTEM

<b>% end-of-term-examination:</b>	20
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	80

SE1 [10%]  
Class participation.

SE2 [70%]  
Individual or group work carried out during the course.

SE3 [20%]  
Final exam.

#### BASIC BIBLIOGRAPHY

- AXELOS Managing Successful Projects with PRINCE2, TSO, 2017