

Project Management

Academic Year: (2018 / 2019)

Review date: 12-04-2018

Department assigned to the subject: Mechanical Engineering Department

Coordinating teacher:

Type: Electives ECTS Credits : 6.0

Year : Semester :

DESCRIPTION OF CONTENTS: PROGRAMME

1. Introduction to Project Management
 - a. Project Lifecycle
 - b. The Project Manager
 - c. Essential elements for any successful project
 - d. Project methodologies
 - e. Standards, professional associations. PMI. PMBOK
2. Project planning
 - a. Defining a project
 - b. Developing the Work Breakdown Structure (WBS)
 - c. Duration and workload estimations
 - d. Task sequencing
 - e. Project calendar: developing the Project Schedule
 - f. Determining the Project Budget: resources restrictions and costs
 - g. Resource-bound project scheduling. Critical Chain approach
3. Project execution
 - a. Leading a project
 - b. Managing Project communications
 - c. Managing expectations
 - d. Project Team Performance
4. Project control
 - a. Managing Project changes
 - b. Managing Project quality
 - c. Managing Project risks
 - d. Managing Project costs. Earned Value Management (EVM)
5. Software for Project Management
6. Project Management in the digital age
 - a. Virtual projects
 - b. Virtual Project Teams

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