

Project Management

Code: 44758
ECTS Credits: 3

2024/2025

Degree	Type	Year
4318306 Logistics and Supply Chain Management	OB	1

Contact

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Teaching groups languages

You can view this information at the [end](#) of this document.

Prerequisites

None

Objectives and Contextualisation

The objective of the Project Management course is to introduce students to the knowledge, processes, skills, tools and techniques suitable for project management, such that the application of them to satisfy the requirements specified for project development, and may have a significant impact on its success. Specifically:

- Know the terminology and basic concepts of project management area.
- Understanding the relationship between logistics and supply chain management and project management.

Learning Outcomes

1. CA07 (Competence) Gather and formulate the main aspects to be compiled from a project management point of view and design a solution.
2. KA09 (Knowledge) Identify and define the key principles, terminology and strategies involved in LSCM project management.
3. KA10 (Knowledge) Identify the relationships between LSCM and project management.
4. SA10 (Skill) Analyse how project management can support the activities involved in LSCM.
5. SA11 (Skill) Analyse and discuss cases, problems and challenges related to the field of project management.

Content

Theme 1: Introduction to Project Management

- What is a project?

- Project Management: Overview
- Project Management: Need and interest
- Different forms of project management
- Systems approach: Overview

Theme 2: System Development Cycle

- System Life Cycle
- Definition Phase
- Conception phase
- Construction phase
- Operation phase
- Transfer phase

Theme 3: Feasibility Study

- What is feasibility study?
- Feasibility Study objectives
- Proposal for a feasibility study

Theme 4: Project Planning

- Introduction
- The Project Master Plan
- Project Organization: Responsibilities
- Scheduling of activities: The Gantt chart

Theme 5: Graphs-based Programming Methodology

- Introduction
- Programming Techniques
- The Roy method
- The PERT method

Theme 6: Cost Analysis

- Introduction
- Cost Estimating Process
- Budget and Accounting Management
- Scheduling and Cost Control

Theme 7: Risk Management

- Introduction
- Risk identification
- Risk "measures"

Theme 8: Project Control

- Introduction
- Performance Analysis
- Change Control
- Reports

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
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Type: Directed

Problem sessions	5	0.2
Theory lectures	10	0.4

Type: Supervised

Practise sessions	8	0.32
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Type: Autonomous

Mastering in the lectured course material	15	0.6
Problem solving and report writing	10	0.4
Project development	25	1

The course is organized by means of traditional lectures.

The learning process will combine the following activities:

- Theory lectures,
- Problem sessions,
- Practice sessions: computer lab, teamwork.
- Autonomous work.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continuous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Practice sessions reports	30%	0	0	KA09, KA10, SA11
Project based on supply chain	50%	0	0	CA07, KA09, SA10, SA11
Project public defense	20%	2	0.08	CA07, SA10, SA11

a) Scheduled evaluation process and activities

The subject does not have written exams. The evaluation is based on the different works presented during the semester.

The submission deadlines for the different reports will be published in the moodle classroom of the virtual campus since the very beginning of the semester. Deadlines are subject to possible reschedules in case of later events. The Virtual Campus is the only channel to communicate the most updated schedule, since it is assumed that this is the only platform for exchanging this information between faculty and students.

b) Programming evaluation activities

The schedule of the regular evaluation activities will be published on the virtual campus at the early beginning of the semester. Dates for retaking process will be published at the examination section of the School of Engineering website.

c) Retaking process

In accordance with the Academic Regulations of the UAB, participating in retaking process requires the student to have been previously evaluated in the set of evaluation activities, the weight of which is equivalent to a minimum of two thirds of the total grade of the subject or module.

Practice work can't be retaken and must be submitted within the specified due dates.

A Project course work failed in the first instance can be recovered on the examination date set by the programme coordination. Re-taking will consist in the presentation of the corrected work according to the indications received by the professor. In this case, as long as the work meets the MINIMUM requirements, the work will be graded with a 5.

d) Procedure to review qualifications

For each evaluation activity, a place, date and time in which the student can review the activity with the teacher will be indicated. The faculty responsible for the subject will assess the presented complaints regarding the awarded grade. The student can complain in the given date, but the activity will not be reviewed later.

e) Qualifications

The evaluation will consist of the following activities:

- A small project based on supply chain, which will assess the processes, skills, tools and techniques for project management acquired in the course and, together with the project planning, developed in the lab sessions, constitute 50% of the final qualification of the subject.
- The public presentation and defense of the project constitutes 20% of the final qualification of the subject.
- An average qualification of the set of group assignments, performed during the practice sessions. Each group of students submits a report with answers to the questions, related to each practice session. Constitute 30 % of the final qualification of the subject.

All the report-based activities must be submitted within the due dates specified by the professor. If a report-based activity is failed, the student will be asked to re-submit its report according to the corrections/indications provided by the professor.

f) Irregularities by the student, copy and plagiarism

Without prejudice to other disciplinary measures deemed appropriate, and in accordance with current academic regulations, any irregularity committed by the student, which could lead to an alteration of the evaluation act, will be scored with a zero. Therefore, copying or allowing to copy a practice or any other activity spoiling the evaluation will imply failing with a zero, and if the activity is required to pass the subject, the whole course will be failed. The evaluation activities qualified in this way and by this procedure will not be recoverable, and therefore the subject will be failed directly without the opportunity to retaking it in the same academic year.

h) Evaluation of students retaking the whole subject

Those students retaking the whole subject must follow the same evaluation activities as for the first time.

Bibliography

1. Heagney, Joseph. Fundamentals of Project Management, 5th edition. 2016.
2. Martinelli, Russ, et al. Program Management for Improved Business Results, 2nd edition, 2014.

3. Nicholas, John M. Project management for business and technology: principles and practice , 2nd edition. Prentice Hall, 2001.
4. Nicholas, John M., Steyn, H. Project management for business and technology: principles and practice, 3rd edition. Elsevier, 2008.
5. Nicholas, John M. and Steyn, H. Project management for engineering, business, and technology, 4th edition. Routledge, 2012.
6. A Guide to the project management body of knowledge: (PMBOK® Guide), 3rd edition. Project Management Institute, 2004.

Software

MS PROJECT

Language list

Name	Group	Language	Semester	Turn
(PAULm) Classroom practices (master)	10	English	first semester	morning-mixed
(PLABm) Practical laboratories (master)	10	English	first semester	morning-mixed
(TEm) Theory (master)	10	English	first semester	morning-mixed