

**122040064 - Bachelor of Computer Science (face to face and online) (2026)****0064010 - Project Management and Development*****Dades generals*****Codi:** 0064010**Tipus:** OB**Semestre:** 4**Crèdits:** 10.0**Llengua
d'impartició:** Anglès**Llengua de suport:** Anglès***Informació*****Presentació del mòdul:**

Project development and its alignment with a company's business processes represent a critical success factor for any organisation, regardless of its sector. For this reason, it is essential to include formal project management methodologies and tools.

This module integrates the skills and knowledge required to manage and develop projects from their initial conception through to completion. It addresses associated risks in order to prevent deviations from planned costs, timelines, or resources.

The module covers the methods, techniques, and tools specific to software engineering, including requirements analysis and specification, process modelling, and diagramming. In addition, as in any engineering discipline, it is vital to learn how to plan and monitor a project. This involves the application of a structured methodology for project planning, organisation, and execution, alongside collaborative teamwork.

Metodologia:

Teaching methods combine a theoretical approach with a practice-oriented focus in order to guide and provide the students with the necessary skills to carry out the different activities of the module and, more specifically, to solve the challenge.

The implementation of this methodology requires continuous collaboration between the teaching staff and the students. Consequently, each week, this module includes 6 scheduled face-to-face teaching sessions dedicated to seminars, as well as 1 guided work session.

Alternatively, for students following their training in a virtual modality, and as a complement for face-to-face students, seminars and guided work sessions will be monitored through the virtual campus, as well as through online consultations and tutorials. Furthermore, students in the virtual modality have the opportunity to attend any of the face-to-face sessions dedicated to seminars or guided work that they consider appropriate.

During the seminar sessions, the teaching staff provide students with the content and tools required to develop the activities and challenge of the module.

During the guided work sessions, the academic tutor provides guidance and monitors students' progress in the development of the challenge.

In addition, independent study, which is required throughout the entire semester, intensifies during the final weeks in order to achieve the final resolution of the module's challenge.

Avaluació continuada:

Students may choose to be assessed on their learning outcomes either through virtual assignments and face-to-face examinations scheduled throughout the semester, or through virtual assignments and a single face-to-face examination held at the end of the teaching period.

The various continuous assessment activities (virtual assignments and face-to-face examination/s) are determined by the teaching staff and will be available in the seminar schedule.

The dates regarding the submission and presentation of the challenge will be provided in the module's challenge classroom.

Please consult the syllabus for each seminar and the challenge virtual classroom.

Avaluació final:

Students who have not passed or completed the continuous assessment must take the face-to-face final examination for the seminar.

The various final assessment activities (virtual assignments and the final examination) are determined by the teaching staff and will be available in the seminar schedule.

The dates regarding the submission and presentation of the challenge will be provided in the module's challenge virtual classroom.

Please consult the syllabus for each seminar and the challenge virtual classroom.

Bibliografia bàsica:

Each seminar will detail the basic bibliography.

Bibliografia complementària:

Each seminar will detail the complementary bibliography.

Observacions:

The module has associated learning outcomes, which are described in its syllabus. These learning outcomes are assessed using a numerical scale from 0 to 10 to one decimal place.

To pass the module, the grade for all associated learning outcomes must be greater than or equal to 5.

The final grade for the module is calculated as the arithmetic mean of the grades obtained in the learning outcomes.

Furthermore, the learning outcomes of the module, each at its respective competence level, contribute to the assessment of the specific and transversal competences that the students will have acquired by the end of their studies.

Competències / Resultats d'aprenentatge específics (4)

	Codi - Competències (C) / Resultat d'aprenentatge específic (RA)	Nivell
C	BInfo26-E003 - Design IT service and systems projects, contributing to all phases of their implementation within an organizational context.	
RA	BInfo26-E003-04 - Apply a general project management methodology aligned with organisational strategy and business processes.	2
RA	BInfo26-E003-05 - Document the different phases of a project, verifying its progress using appropriate project management tools.	2
C	BInfo26-E006 - Apply software engineering principles, methodologies, and life-cycle models in the design of applications.	
RA	BInfo26-E006-03 - Apply the fundamentals and methodologies of software engineering to specify information system requirements.	2
RA	BInfo26-E006-04 - Apply the fundamentals and methodologies of software engineering to design solutions that align with functional specifications and the technological constraints of the system.	2

Competències / Resultats d'aprenentatge transversals (1)

	Codi - Competències (C) / Resultat d'aprenentatge transversal (RA)	Àrea	Nivell
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C	BInfo26-T002 - Work as a team member, collaboratively and with shared responsibility.	Responsabilitat personal i treball en equip	
RA	BInfo26-T002-02 - Carry out different tasks associated with their assigned role, following established team rules, to complete an assignment or practical project.		2

Continguts (2)

1. Seminar: Project Management
2. Seminar: Software Engineering