Academic Year/course: 2024/25

39728 - IT Systems for Management

Syllabus Information

Academic year: 2024/25
Subject: 39728 - IT Systems for Management
Faculty / School: 175 - Escuela Universitaria Politécnica de La Almunia
Degree: 608 -
ECTS: 6.0
Year: 5
Semester: Second semester
Subject type: Compulsory
Module:

1. General information

This subject establishes a solid foundation for the understanding of Information Systems in organizations, becoming familiar with methodologies and technologies used in their management. Promoting the skills and attitudes to work and learn autonomously, integrate knowledge, manage information, develop their critical spirit so that they can analyze and solve the problems that arise, related to information management through computer applications.

2. Learning results

1. Identifies the Information Systems of an organization/company as a key element for its day-to-day operation.
2. Identifies Information Systems as a key element for growth, improvement of competitiveness, and creation of new business formulas and/or products.
3. Knows the basic concepts that make up information systems (data vs. information, knowledge, communications, ...) and the technological environment that supports them today.
4. Knows the basic parameters and typical phases that are associated with the development and implementation of an Information System in the organization.
5. Knows the usual problems linked to these processes (communication problems, interference in the normal development of the business, maintenance, etc.) business development, maintenance, etc.).
6. Learn about successful cases of the use of Information Systems and the improvements obtained. These success stories serve as a baseline example.

3. Syllabus

Theoretical.
- Introduction to Business Information Systems.
- Capture and representation of information. Modeling with UML. Data and information systems management.
- Information systems for the relationship with the organization's environment.
- Basic concepts that make up information systems and the technological environment that currently supports them nowadays.
- Implementation and Maintenance of Information Systems.
- Successful cases of implementation and use of Information Systems.

Practical.
- Initial study and design of the implementation of Business Information Systems.
- Modeling and information management tools.

4. Academic activities

The following activities will be carried out with strong teacher/student interaction:
- Theoretical and practical classes: Activities given by the teacher, exposing the theoretical supports, highlighting

the main points, structuring them into themes/sections and relating them to each other. Using general-purpose computer toolsand, generally, in computer labs.
- Group tutoring: Programmed learning follow-up activities in which the professor guides students in their autonomous learning tasks and supervises supervised work.
- Individual tutoring: These are carried out through personalized attention, face-to-face or online, with the objective of resolving students' doubts.

- Preparation and performance of evaluation tests.

5. Assessment system

Continuous assessment

Mandatory activities:

- Written tests and active participation (30%). Individual. It will consist in the completion of one or more tests and in active participation in the different activities proposed in the virtual classroom.
- Information System Implementation Project (70%). Individual or team. Development of an original project for the implementation of IS in a company, together with its corresponding report. Two deliveries are planned during the execution process, in order to carry out formative and continuous assessment. Both deliveries will be rated separately at.

Global assessment

Mandatory activities:

- Academic work (40%). Individual or team. Development of an original IS implementation project at a company, together with its corresponding report.
- Final open response written test (60%). Individual. It will consist of the timed completion of a written test , of one or more questions, in which the students construct their answer. The right to may or may not be granted to consult supporting material. This test will include one or more questions on the academic work done at above.

Both activities must be approved separately.

6. Sustainable Development Goals

4 - Quality Education
5 - Gender Equality
8 - Decent Work and Economic Growth