Course: Information Systems Management II
Code: 10BBA11004

Type: Required  Year:  Semester: 1
ECTS Credits: 4
Language: Spanish:
Coordination:

Faculty:
Joan Rodón Mòdol

Course Requirements:
Information Systems Management I

Previous Knowledge:

Workload Distribution:

Lectures: 18
Participatory Sessions: 20
Independent work: 86
Tutorials: 6

Course contribution to the programme:

The reason organisations invest in Information Systems (IS) is to find solutions for their problems, and to exploit new opportunities. Information Systems have become a driving force in innovation and flexibility in organisations. The Information Systems’ quality and suitability for the organisation’s needs is based not so much on the kind of technology or development methods used, as on the ability of the analysts. Analysis combines not only technical aspects but also, and more importantly, organisational and human aspects, in order to create a system which improves on the previous situation. Despite spectacular advances in the field of information and communication technology, the analysis process continues to be, to a large extent, an art. However, there is a series of principals, methods and tools that can be used for help and guidance in the process. This course contributes to the programme in the following way:

1) Students will acquire a basic language for analysing the organisational environment from the point of view of the information flows taking place within it.
2) Students will develop the skills needed to form an overall general vision of the way organisations function that goes beyond the functional aspects.
3) Students will be able to contribute to innovation processes taking place in the organisation.

Course Learning Objectives:

- To understand the process of Information System analysis
- To learn and apply methods and techniques of Information System analysis
- To acquire experience in Information System analysis
- To get to know and understand the various types of Information Systems in the organisations
Skills Developed:

1. The ability to apply knowledge in order to obtain results
2. The ability to communicate information and/or knowledge
3. The ability to work in a team and collaborate

Contents and Methodology:

The course content is divided into five blocks. The first block analyses the company’s Information Systems as a work system. The 'work system method' will be used. This first block will also look at the lifecycle of Information Systems. The second block focuses on system data analysis, presenting the idef1x method. The third block deals with process analysis, and presents the BPMN method. The fourth block analyses the tasks and concepts of Information System construction, acquisition, operation and support. The last block of the course will look at different types of Information Systems existent in a company.

Block 1: Information Systems as Work Systems
* The WSM (Work System Method) Model
* The Lifecycle of Information Systems in Organisations

Block 2: Information Analysis
* Modelling the information needed in organisation management

Block 3: Business process analysis
* Modelling business processes

Block 4: Information System lifecycle management
* Information System acquisition models
* Start-up models
* Risk analysis

Block 5: Types of Information System
* Classification of business information systems
* Needs covered by each type
* Business Information Systems market

The methodology used in the class will combine teacher-led sessions, problem sessions, case-study discussion and a final project on a company. In order to carry out the project, students will have progress-monitoring sessions throughout the course.

Evaluation:

The final grade will be based on the following concepts: individual participation, tests, group exercises, final project and final exam. The weighting of each of the concepts is as follows:

Participation: 10%
Tests: 20%
Group exercises: 15%
Final project: 35%
Final exam: 20%
The first skill will be assessed through tests and the final exam. There will be two tests in the course. In the final exam, students must obtain 4.5 or over (out of 10) to pass the course.

The second skill will be assessed in the presentations that the students must give during the course in the group exercises, and the student's participation in class. The group exercises will be presented in the participatory classes.

The third skill will be assessed in the project the students do in teams, which is ongoing throughout the course. To pass the course, the grade for the project must be 5 (out of 10) or over.