

30252 - In-Company IT

Información del Plan Docente

Academic Year	2017/18
Faculty / School	110 - Escuela de Ingeniería y Arquitectura 326 - Escuela Universitaria Politécnica de Teruel
Degree	439 - Bachelor's Degree in Informatics Engineering 443 - Bachelor's Degree in Informatics Engineering
ECTS	6.0
Year	3
Semester	Half-yearly
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

This is a 6 ECTS course, one semester length. The methodology combines active learning, lectures, resolution of problems and the development of a project (alternative evaluation).

5.2.Learning tasks

Active learning, using:

Lectures. Assessment Task. Lab. Project. Personal study and problem solving.

Evaluation activities: written exam (global evaluation) and written exam, resolution of problems and oral presentation about project (alternative evaluation).

5.3.Syllabus

Strategic Analysis. Business continuity. Management systems. Management of activities. Quality. Innovation management. Management systems implementation.

The objective of the Information Technologies in the Company is structured in seven thematic units. The following is collected the synthetic program of the subject.

UNIT 1: STRATEGIC ANALYSIS

Analysis of value creation and business objectives. Technological environment and evolving technologies. The strategic process.

UNIT 2: BUSINESS GROWTH

Strategies and competitive advantages of ICT companies and their structural characteristics and development. Start-ups, Business Angel.

UNIT 3: SYSTEMS MANAGEMENT

Identification of processes and enterprise systems for integration into the IT environment.

UNIT 4: ENTERPRISE PERFORMANCE MANAGEMENT

Breakdown of business processes and the definition and functions with ICT solutions. Supplier Relationship Management, Production Management, Commerce management and Project Management.

30252 - In-Company IT

UNIT 5: QUALITY ASSURENCE

Introduction to standardization and specific rules in IT Companies.

UNIT 6: INNOVATION MANAGEMENT

Competitive advantages in technology-intensive sectors and innovation strategies. E-commerce. Patents.

UNIT 7: MANAGEMENT SYSTEMS IMPLEMENTATION

Consulting and model for implementing information technologies systems.

5.4.Course planning and calendar

Three classroom-hours per week (15 weeks) that include lectures and resolution of problems. The student will also have 5 lab classrooms of 2 hours each and he/she will carried out a project (oriented by his teacher), with a final oral presentation (alternative evaluation).

5.5.Bibliography and recommended resources

BB Arjonilla Domínguez, Sixto Jesús. La gestión de los sistemas de información en la empresa : teoría y casos prácticos / Sixto Jesús Arjonilla Domínguez, José Aurelio Medina Garrido . - 3ª ed., [2ª reimpr.] Madrid : Pirámide, 2011

BB Cardona, José Ramón. Sistemas de información empresarial : Casos y supuestos prácticos / J.R. Cardona, S. Bueno, V. Bañulx Granada : Grupo Editorial Universitario, 2011

BB Guerras Martín, Luis Ángel. La dirección estratégica de la empresa : teoría y aplicaciones / Luis Ángel Guerras Martín, José Emilio Navas López . - 5ª ed. Cizur Menor (Navarra) : Aranzadi, 2015

BB Harakawa, H.. Servitization, IT-Ization and innovation models / Hitoshi Hiraakawa, Kaushalesh Lal, Shinkai Naoko London ; Routledge, 2013

BB Oz, Effi. Administración de los sistemas de información / Effi Oz. - 5ªed (s.l.) Cengage Learning, 2008