30252 - In-Company IT

Syllabus Information

Academic Year: 2019/20
Subject: 30252 - In-Company IT
Faculty / School: 110 - Escuela de Ingeniería y Arquitectura
326 - Escuela Universitaria Politécnica de Teruel
Degree: 443 - Bachelor's Degree in Informatics Engineering
439 - Bachelor's Degree in Informatics Engineering
ECTS: 6.0
Year: 3
Semester: 439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
443 - Second semester
443 - Second semester
443 - Second semester
443 - Second semester
Subject Type: ---
Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

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

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

This is a 6 ECTS course, one-semester length. The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks: lectures, resolution of problems and the development of a project (alternative evaluation).

4.2.Learning tasks

The course includes the following learning tasks:

- 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 the project (alternative evaluation).

4.3. Syllabus

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

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

- Topic 1: STRATEGIC ANALYSIS.Analysis of value creation and business objectives. Technological environment and evolving technologies. The strategic process.
- Topic 2: BUSINESS GROWTH. Strategies and competitive advantages of ICT companies and their structural characteristics and development. Start-ups, Business Angel.
- Topic 3: SYSTEMS MANAGEMENT. Identification of processes and enterprise systems for integration into the IT environment.
- Topic 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.
- Topic 5: QUALITY ASSURANCE. Introduction to standardization and specific rules in IT Companies.
- Topic 6: INNOVATION MANAGEMENT. Competitive advantages in technology-intensive sectors and innovation strategies. E-commerce. Patents.
- Topic 7: MANAGEMENT SYSTEMS IMPLEMENTATION. Consulting and model for implementing information technologies systems.

4.4. 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 carry out a project (oriented by his teacher), with a final oral presentation (alternative evaluation).

4.5. Bibliography and recommended resources

EINA:

http://psfunizar7.unizar.es/br13/egAsignaturas.php?codigo=30252&Identificador=14717

EUPT:

http://psfunizar7.unizar.es/br13/egAsignaturas.php?codigo=30252&Identificador=13623