

60849 - Information Systems in Industrial Organizations

Información del Plan Docente

Academic Year	2017/18
Subject	60849 - Information Systems in Industrial Organizations
Faculty / School	110 - Escuela de Ingeniería y Arquitectura
Degree	532 - Master's in Industrial Engineering
ECTS	6.0
Year	2
Semester	Second semester
Subject Type	Optional
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

The methodology followed in this course is oriented towards achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, problem-solving, laboratory sessions, and autonomous work.

5.2.Learning tasks

The course includes the following learning tasks:

- Lectures
- Practice sessions and problem-solving
- Laboratory sessions

5.3.Syllabus

The course will address the following topics:

1. Computer architecture and networks.
2. General purpose information systems.
3. Enterprise information systems.

5.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the EINA website.

5.5.Bibliography and recommended resources

- Urs Hoelzle and Luiz Andre Barroso The Datacenter as a Computer: An Introduction to the Design of Warehouse-Scale Machines (Synthesis Lectures on Computer Architecture), Morgan and Claypool Publishers, 2nd ed 2013.
- R&M Data Center Handbook V5.0 © 02/2014 Reichle & De-Massari AG (R&M)
http://www.rdm.com/extern/DC_Handbook/en.html
- P.E. Hwaiyu Geng Data Center Handbook Wiley, 2015 ISBN: 978-1-118-43663-9, 720 pages - White Papers o informes de APC y Schneider, disponibles en internet.
- Stair, Ralph. Principles of Information Systems / Ralph Stair and George Reynolds. Cengage Learning; 11 edition (January 1, 2013)