

## 60849 - Information Systems in Industrial Organizations

### Información del Plan Docente

<b>Academic Year</b>	2016/17
<b>Academic center</b>	110 - Escuela de Ingeniería y Arquitectura
<b>Degree</b>	532 - Master's in Industrial Engineering
<b>ECTS</b>	6.0
<b>Course</b>	2
<b>Period</b>	Second semester
<b>Subject Type</b>	Optional
<b>Module</b>	---

### **1.Basic info**

#### **1.1.Recommendations to take this course**

#### **1.2.Activities and key dates for the course**

### **2.Initiation**

#### **2.1.Learning outcomes that define the subject**

#### **2.2.Introduction**

### **3.Context and competences**

#### **3.1.Goals**

#### **3.2.Context and meaning of the subject in the degree**

#### **3.3.Competences**

#### **3.4.Importance of learning outcomes**

### **4.Evaluation**

### **5.Activities and resources**

#### **5.1.General methodological presentation**

The course is based on lectures. In addition, the course has weekly sessions of problem-based learning and/or practical sessions in a laboratory. Students should prepare these activities autonomously.

#### **5.2.Learning activities**

The program offered to students to help them to achieve the expected results includes the following activities ...

- Interactive lectures

## 60849 - Information Systems in Industrial Organizations

- Problem-based learning
- Laboratory sessions

### 5.3.Program

The course syllabus includes the following blocks:

- Computer architecture and networks.
- General purpose information systems.
- Enterprise information systems.

### 5.4.Planning and scheduling

The course calendar is defined by the center in the academic calendar of the corresponding academic course.

### 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 &copy; 02/2014 Reichle & De-Massari AG (R&M)  
[http://www.rdm.com/extern/DC\\_Handbook/en.html](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)