

## TECHNICAL SHEET OF THE SUBJECT

Data of the subject	
Subject name	Management Information Systems
Subject code	E000006900
Main program	<a href="#">Bachelor's Degree in Business Administration and Management</a>
Involved programs	Grado en Administración y Dirección de Empresas (E-2) [Third year]
Credits	6,0 ECTS
Type	Optativa (Grado)
Department	Departamento de Gestión Empresarial
Course overview	<p>ANECA: Information and communications technologies (ICT) run through the value chain of companies, integrating their links with each other, with customers and with suppliers. They are a source of improvements, efficiencies and business and sector transformations that we are witnessing on a daily basis. Its knowledge and proper management can generate significant competitive advantages for those organizations capable of aligning them with business processes, both internal and external (ensuring the interrelation between the different functional areas of the company: marketing, finance, human resources, logistics and production, among others). This alignment of business process management with ICT processes provides the link of technical-business union that modern organizations require.</p>

Teacher Information	
Teacher	
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## SPECIFIC DATA OF THE SUBJECT

Contextualization of the subject
<p><b>Contribution to the professional profile of the degree</b></p> <p>For all or exposed in the descriptor of the subject, decisions on information management cannot remain in the hands of the technical staff of the company: experts in direction and management require new skills, including those necessary to manage with confidence and competence. information and its technology.</p>
<p><b>Prerequisites</b></p> <p>Basic knowledge about the strategic management of the company and the management of the different functional areas of the company. It maintains a close relationship with the subject "Innovation and Strategy", where complementary topics are discussed that can greatly help the understanding and assimilation of concepts.</p>

Competencies - Objectives
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## Competences

### GENERALES

<b>CG01</b>	Capacidad de análisis y síntesis
<b>CG02</b>	Resolución de problemas y toma de decisiones
<b>CG04</b>	Capacidad de gestionar información proveniente de fuentes diversas
<b>CG06</b>	Comunicación oral y escrita en la propia lengua
<b>CG07</b>	Comunicación en una lengua extranjera
<b>CG09</b>	Habilidades interpersonales: escuchar, argumentar y debatir
<b>CG10</b>	Capacidad de liderazgo y trabajo en equipo
<b>CG11</b>	Capacidad crítica y autocrítica
<b>CG14</b>	Capacidad para aprender y trabajar autónomamente
<b>CG17</b>	Capacidad de elaboración y transmisión de ideas, proyectos, informes, soluciones y problemas

### ESPECÍFICAS

<b>CE04</b>	Capacidad de identificar y comprender distintas variables económicas que afectan a la empresa
<b>CE14</b>	Conocimiento y aplicación de las herramientas de apoyo al directivo para la definición, la implantación y el control de la estrategia de la empresa
<b>CEOPT01</b>	Conocimiento y comprensión de los elementos dinámicos de la ventaja competitiva de la empresa asociados a la tecnología, la innovación y la información
<b>CEOPT02</b>	Conocimiento histórico y científico del gobierno corporativo que permita al alumno diseñar un sistema eficiente del gobierno de la empresa
<b>CEOPT03</b>	Conoce el contexto internacional de la empresa, y el sentido de las estrategias de internacionalización
<b>CEOPT04</b>	Capacidad para analizar los problemas empresariales desde la Teoría de las Organizaciones

## THEMATIC BLOCKS AND CONTENTS

### Contents - Thematic Blocks

Chapter 1.- Management Information Systems

Chapter 2.- Stages in the assimilation of ICT



Chapter 3.- Processes and functions

Chapter 4- Planning

Chapter 5.- Control.

Chapter 6.- SOA (Services Oriented Architecture)

Chapter 7.- BPM (Business Process Management)

## TEACHING METHODOLOGY

### General methodological aspects of the subject

- 1.- Master Class
- 2.- Practices of each topic
- 3.- Group practice.

## SUMMARY STUDENT WORKING HOURS

CLASSROOM HOURS			
Lecciones de carácter expositivo	Ejercicios y resolución de casos y de problemas	Seminarios y talleres	Exposición pública de temas o trabajos
18.00	22.00	5.00	5.00
NON-PRESENTIAL HOURS			
Estudio individual y/o en grupo y lectura organizada	Ejercicios y resolución de casos y de problemas	Trabajos monográficos y de investigación, individuales o colectivos	
60.00	20.00	20.00	
<b>ECTS CREDITS: 6,0 (150,00 hours)</b>			

## EVALUATION AND CRITERIA

Evaluation activities	Evaluation criteria	Weight
Final Exam	<ul style="list-style-type: none"> <li>- Understanding of concepts.</li> <li>- Application of concepts to the resolution of practical problems.</li> <li>- Analysis and interpretation of the results obtained in solving problems.</li> <li>- Presentation and written communication.</li> </ul>	50
	<ul style="list-style-type: none"> <li>- Understanding of concepts.</li> </ul>	



Class practices	<ul style="list-style-type: none"><li>- Application of concepts to the resolution of practical problems.</li><li>- Analysis and interpretation of the results obtained in solving problems.</li><li>- Presentation and written communication</li></ul>	20
Group practice	<ul style="list-style-type: none"><li>- Understanding of concepts.</li><li>- Application of concepts to the resolution of practical problems.</li><li>- Analysis and interpretation of the results obtained in solving problems.</li><li>- Ability to work in groups.</li><li>- Presentation and written communication</li></ul>	25
Class Participation	General Class Participation	5

## Ratings

- 50% exam grade.
- 20% will be the qualification of the practices.
- 25% will be the qualification of the final practice.
- 5% will be the class participation grade.

**NOTE:** Regarding the use of generative artificial intelligence tools, their misuse will be considered a serious offense, according to the General Regulations of the University, art. 168.2.e.

## BIBLIOGRAPHY AND RESOURCES

### Basic Bibliography

Specific website of the subject developed by the teacher with documentation, examples and statements of practices on the Moodle platform.

Free Software:

**Yed.** [http://www.yworks.com/en/products\\_yed\\_about.html](http://www.yworks.com/en/products_yed_about.html)

**OpenProj .** <http://sourceforge.net/projects/openproj/>

**Bonita Open Solution.** <http://es.bonitasoft.com/>

In compliance with current regulations on the **protection of personal data**, we would like to inform you that you may consult the aspects related to privacy and data [that you have accepted on your registration form](#) by entering this website and clicking on "download"

<https://servicios.upcomillas.es/sedelectronica/inicio.aspx?csv=02E4557CAA66F4A81663AD10CED66792>



# COMILLAS

UNIVERSIDAD PONTIFICIA

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**Syllabus**  
**2023 - 2024**

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