



<b>COURSE: CORPORATE INFORMATION SYSTEMS DEVELOPMENT</b>		
<b>DEGREE: Bachelor in Informatics Engineering</b>	<b>YEAR: 4</b>	<b>TERM: 1</b>

*La asignatura tiene 29 sesiones que se distribuyen a lo largo de 14 semanas. Las sesiones complementarias pueden situarse en cualquiera de ellas. Semanalmente el alumnos tendrá dos sesiones, excepto en un caso que serán tres.*

WEEKLY PLANNING									
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	<b>Course presentation. Introduction</b> Course presentation lecture. Introduction to Corporate information systems. Definition of Corporate Information Systems: types and applications: ERP, CRM and Corporative Portals	X		Classroom	NO	Teams composition and organization. Definition of teams brand image. Study of the proposed technical environment. Analysis of development alternatives.	1,6	4

1	2	<p><b>Creation of Teams.</b></p> <p>Presentation of the Practice. Definition of the technical environment of the development to be carried out.</p>		X	Computer Classroom	NO		1,6	
2	3	<p><b>Information Systems: Workflow ,DSS and Knowledge Management.</b></p> <p><b>Information System Plan:</b> Presentation of the need to unify and standardize the development (including management) software projects in corporate environments, associated problems and solutions. Differences between systems plan and project plan.</p> <p><b>Alternatives to the development of corporate Information Systems</b></p>	X		Classroom	NO	Assignment of modules to each group. Requirements analysis of each module.	1,6	4
2	4	<p>Definition of the business objectives of the corporate development. Identification of system features. Roles and responsibilities.</p>		X	Comptuer Classroom	NO		1,6	
3	5	<p>Presentation of Project Plan: objectives, standards and alternative standards and practices.</p> <p><b>Management of commitments:</b> presentation of the importance of the commitment of the engineer in</p>	X		Classroom	NO	Requirements analysis of each module. Definition of a project plan according a proposed standard.	1,6	7

		product quality throughout the processes of corporate development.							
3	6	<b>Corporate Data and Data Representation</b>		X	Computer classroom	NO		1,6	
4	7	<p><b>Project Organization. Integral Project Management.</b></p> <p>Review of the different processes that must be addressed in the management of software development projects.</p> <p>The issue of teamwork: version control. Coding standards.</p> <p><b>Flipped Classroom</b></p>	X		Classroom	YES	<p>Development of a Project Plan: Based on a standard project plan, students will develop the project plan for a corporate information system.</p> <p><b>(Flipped Classroom: 1 point</b></p> <p><b>First Continuous Assessment Activity, Lessons 1 &amp; 2: 1 point)</b></p>	1,6	7
4	8	<b>First Continuous Assessment Activity</b>		X Presential	Computer classroom	NO		1,6	
5	9	<p><b>Software size metrics.</b></p> <p>Presentation of the different techniques for estimating and determining the software size.</p>	X		Classroom	NO	Resources estimation for the project.	1,6	7
5	10	<b>Work in project</b>		X	Computer classroom	NO		1,6	
6	11	<p><b>Software size metrics.</b></p> <p>Presentation of the different techniques for estimating and determining the software size.</p> <p>Exercises</p>	X		Classroom	NO	Project Estimation. Technical Design and System Architecture.	1,6	7
6	12	<b>Function Points Workshop</b>		X Presential	Computer classroom	NO		1,6	
7	13	<p><b>Software size metrics.</b></p> <p>Presentation of the different techniques for estimating and determining the software size.</p> <p>Exercises</p>	X		Classroom	NO	<p>Project Estimation. Technical Design and System Architecture.</p> <p><b>(Second continuous assessment activity. Estimation. 1.5 points)</b></p>	1,6	7

7	14	<b>Second Continuous Assessment Activity</b>		X Presential	Computer classroom	NO		1,6	
8	15	<b>Advanced Planning.</b> Introduction to project coordination. Systems integration. The problem of planning in corporative environments.	X		Classroom	NO	Development or customization of a Corporative software product development following the guidelines specified in previous sessions.  Work in project planning.	1,6	7
8	16	<b>Applying planning techniques in the project.</b>		X	Computer classroom	NO		1,6	
9	17	<b>Time management:</b> project control.	X		Classroom	NO	Development or customization of a Corporative software product development following the guidelines specified in previous sessions.	1,6	7
9	18	Project control exercises		X Presential	Computer classroom	NO		1,6	
10	19	<b>Defects in the development of Corporate Software. Maintenance.</b> Introduction to the concept of defect. The defect management. Cost of the defects. Importance of early detection. The Test Plan. Types of tests	X		Classroom	NO	Testing plan for the project.  Development or customization of a Corporative software product development following the guidelines specified in previous sessions.  <b>(Third Continuous Assessment Activity. Time management. 1.5 points)</b>	1,6	7
10	20	<b>Third Continuous Assessment Activity</b>		X Presential	Computer classroom	NO		1,6	
11	21	<b>Systems deployment. Change Management.</b> Deploying the corporate information system and managing the changes in the corporation.  <b>(Flipped Classroom)</b>	X		Classroom	YES	Development or customization of a Corporative software product development following the guidelines specified in previous sessions. Deployment Plan.  <b>(Flipped Classroom. Continuous Assessment. 1 point)</b>	1,6	7
11	22	<b>Work Project.</b> Work in the project. Project management and control. Control meeting.		X	Computer classroom	NO		1,6	
12	23		X		Classroom	YES		1,6	5

		<b>Quality Plan and Audit.</b> The audit process as an integral part of corporate software development. The audit team. The audit reports. External audit.					Preparation of the final work of the subject. Each group will produce a report containing all information relating to the software project, with particular emphasis on corporate and organizational aspects. Integration of Modules <b>(Audit. Assessment. 1 point)</b>		
12	24	<b>Audit</b>		X	Computer classroom	YES		1,6	
13	25	Audit Presentation	X		Classroom	NO	Preparation of the final work of the subject. Each group will produce a report containing all information relating to the software project, with particular emphasis on corporate and organizational aspects. Integration of Modules	1,6	
13	26	<b>Work in project.</b> Documentation.		X	Computer classroom	NO		1,6	5
14	27	<b>Work in project.</b> Documentation.	X		Classroom	NO	<b>Project Delivery (Continuous assessment, 3 points)</b>	1,6	5
14	28	<b>Work in project.</b> Documentation.		X	Computer classroom	NO		1,6	
	29	<b>Audit</b> (week 12)	X		Classroom	NO		1,66	
								<b>48,33</b>	<b>86</b>

<b>Total 1</b> (Hours of class plus student homework hours between weeks 1-14)								134,33	
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15		Tutorials, handing in, etc						3	
16		Assessment						3	14
17									
18									

<b>Subtotal 2</b>								<b>6</b>	<b>14</b>
<b>Total 2</b> (Hours of class plus student homework hours between weeks 15-18)								20	

<b>TOTAL</b> (Total 1 + Total 2)								<b>154,33</b>	
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