



<b>SUBJECT:</b> Management and Information Systems		
<b>MASTER DEGREE:</b> Master in Industrial Engineering	<b>ECTS:</b> 3	<b>QUARTER:</b> 2

TIMETABLE FOR THE SUBJECT								
WEEK	SESSION	DESCRIPTION OF EACH SESSION	GROUP (X mark)		Indicate if a different lecture room is needed (computer, audiovisual, etc.)	HOMEWORK PER WEEK		
			1	2		DESCRIPTION	ATTENDING HOURS	HOMEWORK Max. 7H/WEEK
1	1	Introduction. Foundations of Information Systems (IS).				Active class participation. Study of assigned material.	1,66	3
2	2	Introduction to Management Information Systems.				Active class participation. Study of assigned material.	1,66	3
3	3	IS Procurement / Development. Outsourcing, custom development, package acquisition. Open Software.				Active class participation. Study of assigned material.	1,66	3
4	4	Development methodologies. MIS Lifecycle.				Active class participation. Study of assigned material.	1,66	3
5	5	Telecommunications. Networks. Cloud computing.				Active class participation. Study of assigned material.	1,66	3
6	6	Information Management.				Active class participation. Study of assigned material.	1,66	3



7	7	BD design.				Active class participation. Study of assigned material.	1,66	3
8	8	Applications portfolio map. ERPs (Integrated IS).				Active class participation. Study of assigned material.	1,66	3
9	9	BPR vs. IS customization.				Active class participation. Study of assigned material.	1,66	3
9	10	Midterm test.			Exam classroom	Midterm test.	1,75	
10	11	BPR vs. IS customization (II). Implementation.				Active class participation. Study of assigned material.	1,66	3
11	12	BI – “Business Intelligence”, Decision Support Systems. Big Data.				Active class participation. Study of assigned material.	1,66	3
12	13	Current IS trends. Hw, Sw, security. Cryptography.				Active class participation. Study of assigned material.	1,66	3
13	14	Current IS trends. Inter-company IS. Electronic Commerce. IS and strategic management.				Active class participation. Study of assigned material.	1,66	3
14	15	Practical session on MIS.				Active class participation. Study of assigned material.	1,67	3
<b>TOTAL HOURS</b>							<b>25</b>	<b>42</b>



<b>Total 1</b> ( <i>Total student hours weeks 1-14</i> )							67	
15		Make-up and tutoring sessions, assignments, etc.						7
16		Evaluation and preparation for the evaluation					3	13
17								
<b>Subtotal 2</b>							<b>3</b>	<b>20</b>
<b>Total 2</b> ( <i>Total student hours weeks 15-17</i> )							23	
<b>TOTAL</b> ( <i>Total 1 + Total 2. <u>Max 90 horas</u></i> )							<b>90</b>	