



<b>SUBJECT:</b> Design and Simulation of Communication Systems		
<b>MASTER DEGREE:</b> Master in Telecommunication Engineering	<b>ECTS:</b> 6	<b>QUARTER:</b> 2

**TIMETABLE FOR THE SUBJECT**

WEEK	SESSION	DESCRIPTION OF EACH SESSION	Laboratory needed	Indicate if a different lecture room is needed (computer, audiovisual, etc.)	HOMEWORK PER WEEK		
					DESCRIPTION		DESCRIPTION
1	1	<b>Presentation</b>  <b>Module 1: Basic concepts for the design of communication systems</b>			Revision of basic concepts	1,5	7,5
	2	<b>Module 1: Basic concepts for the design of communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	
2	3	<b>Module 1: Basic concepts for the design of communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	7,5
	4	<b>Module 2: Channel models</b>			Problem solving	1,5	



3	5	<b>Module 2: Channel models</b>			Revision and assimilation of the concepts taught in class	1,5	7,5
	6	<b>Module 3: Simulation of communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	
4	7	<b>Module 3: Simulation of communication systems</b>			Simulations	1,5	7,5
	8	<b>Module 3: Simulation of communication systems</b>			Revision and assimilation of the concepts taught in class		
5	9	<b>Module 3: Simulation of communication systems</b> Lab	X	X	Matlab simulation practical work	1,5	7,5
	10	<b>Module 3: Simulation of communication systems</b> Lab	X	X	Matlab simulation practical work	1,5	



6	11	<b>Module 3: Simulation of communication systems</b> Lab	X	X	Matlab simulation practical work	1,5	7,5
	12	<b>Module 3: Simulation of communication systems</b> Lab	X	X	Matlab simulation practical work	1,5	
7	13	<b>Module 3: Simulation of communication systems</b> Lab	X	X	Matlab simulation practical work	1,5	7,5
	14	<b>Module 4: Cable communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	
8	15	<b>Module 4: Cable communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	7,5
	16	<b>Module 4: Cable communication systems</b>			Problem solving	1,5	



9	17	<b>Module 5: Radio communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	7,5
	18	<b>Partial exam</b>				1,5	
10	19	<b>Module 5: Radio communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	7,5
	20	<b>Module 5: Radio communication systems</b>			Revision and assimilation of the concepts taught in class		
11	21	<b>Module 5: Radio communication systems</b>			Problem solving	1,5	7,5
	22	<b>Module 5: Radio communication systems</b>			Problem solving	1,5	
12	23	<b>Module 6: Satellite communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	7,5



	24	<b>Module 6: Satellite communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	
13	25	<b>Module 6: Satellite communication systems</b>			Revision and assimilation of the concepts taught in class	1,5	7,5
	26	<b>Module 7: Multimedia broadcasting systems</b>			Revision and assimilation of the concepts taught in class	1,5	
14	27	<b>Module 7: Multimedia broadcasting systems</b>			Revision and assimilation of the concepts taught in class	1,5	7,5
	28	<b>Module 7: Multimedia broadcasting systems</b>			Problem solving	1,5	
15	29	<b>Module 8: Communication system design examples</b>			Revision and assimilation of the concepts taught in class	1,5	4
<b>SUBTOTAL</b>						<b>42 + 105(**) = 147</b>	
		Exam				3	
<b>TOTAL</b>						<b>180</b>	