



SUBJECT: Enabling Technologies for Broadband Communications		
MASTER DEGREE: Advanced Technologies in Communications Professor/a: María Julia Fernández-Getino García	ECTS: 6	QUARTER: 1

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	1		DESCRIPTION	ATTENDING HOURS	HOMEWORK Max. 7H/WEEK
1	1	Presentation	X			Review of the documents and course materials	1,5	1
1	2	Topic 1: The new scenario of broadband communications.	X			Review of the lesson explained in class	1,5	4
2	1	Topic 1: The new scenario of broadband communications.	X			Review of the lesson explained in class	1,5	3
2	2	Topic 2: Multicarrier modulations and high spectral efficiency.	X			Review of the lesson explained in class	1,5	4
3	1	Topic 2: Multicarrier modulations and high spectral efficiency.	X			Review of the lesson explained in class	1,5	3
3	2	Topic 2: Multicarrier modulations and high spectral efficiency.	X			Review of the lesson explained in class	1,5	4



4	1	Topic 2: Multicarrier modulations and high spectral efficiency.	X			Review of the lesson explained in class	1,5	3
4	2	Topic 2: Multicarrier modulations and high spectral efficiency.	X			Review of the lesson explained in class	1,5	4
5	1	Topic 2: Multicarrier modulations and high spectral efficiency.	X			Review of the lesson explained in class	1,5	3
5	2	Topic 3: Multi-antenna techniques.	X			Review of the lesson explained in class	1,5	4
6	1	Topic 3: Multi-antenna techniques.	X			Review of the lesson explained in class	1,5	3
6	2	Topic 3: Multi-antenna techniques.	X			Review of the lesson explained in class	1,5	4
7	1	Topic 3: Multi-antenna techniques.	X			Review of the lesson explained in class	1,5	3
7	2	Topic 3: Multi-antenna techniques.	X		Computer room	Practical work in the Lab	1,5	4
8	1	Topic 3: Multi-antenna techniques.	X		Computer room	Practical work in the Lab	1,5	3



8	2	Topic 3: Multi-antenna techniques.	X		Computer room	Practical work in the Lab	1,5	4
9	1	Topic 3: Multi-antenna techniques.	X		Computer room	Practical work in the Lab	1,5	4
9	2	Topic 4: Practical cases in radiocommunication systems.	X			Review of the lesson explained in class	1,5	4
10	1	Topic 4: Practical cases in radiocommunication systems	X			Review of the lesson explained in class	1,5	4
10	2	Topic 4: Practical cases in radiocommunication systems	X			Review of the lesson explained in class	1,5	4
11	1	Topic 4: Practical cases in radiocommunication systems	X			Review of the lesson explained in class	1,5	4
11	2	Topic 4: Practical cases in radiocommunication systems	X			Review of the lesson explained in class	1,5	4
12	1	Topic 4: Practical cases in radiocommunication systems	X			Review of the lesson explained in class	1,5	5
12	2	Final project: oral presentations of the students	X			Preparation of the final project: technical report and presentation	1,5	5



13	1	Final project: oral presentations of the students	X			Preparation of the final project: technical report and presentation	1,5	5
13	2	Final project: oral presentations of the students	X			Preparation of the final project: technical report and presentation	1,5	5
14	1	Final project: oral presentations of the students	X			Preparation of the final project: technical report and presentation	1,5	5
14	2	Final project: oral presentations of the students	X			Preparation of the final project: technical report and presentation	1,5	5
TOTAL HOURS							42	108