Universidad Carlos III de Madrid

SUBJECT:	AUGMENTED REALITY		
MASTER DEGREE: MASTER IN CONNECTED INDUSTRY 4.0		ECTS: 3	QUARTER: 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	Course presentation and introduction to Augmented Reality	X	X		Installation of the software required in the course	1,5	3,5
1	2	Tools for the development of augmented reality applications	X	X		Review of the concepts of sessions 1 and 2	1,5	3,5
2	3	Techniques for superimposing digital information in the real world I	X	X		Final project development	1,5	3,5
2	4	Techniques for interacting with the real world using markers	X	X		Review of the concepts of sessions 3 and 4	1,5	3,5
3	5	Techniques for interacting with the real world using hardware devices	X	X		Final project development	1,5	3,5
3	6	Data management	X	X		Review of the concepts of sessions 5 and 6	1,5	3,5

4	7	Techniques for superimposing digital information in the real world II	X	X		Review of the concepts of sessions 7	1,5	3,5
4	8	Midterm I	X	X		Study for midterm exam	1,5	3,5
5	9	Techniques for integrating data from sensors into the virtual environment I	X	X		Final project development	1,5	3,5
5	10	Techniques for integrating data from sensors into the virtual environment II	X	X		Review of the concepts of sessions 9 and 10	1,5	3,5
6	11	Techniques for integrating data from sensors into the virtual environment III	X	X		Review of the concepts of sessions 11	1,5	3,5
6	12	Midterm II	X	X		Study for midterm exam	1,5	3,5
7	13	Final Project Presentation	X	X		Project presentation preparation	1,5	3,5
7	14	Final Exam	X	X		Study for final exam	1,5	3,5
TOTAL HOURS							21	59
							70	