



SUBJECT: IoT Security		
MASTER DEGREE: INTERNET OF THINGS: APPLIED TECHNOLOGIES	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	1. Lesson 1. Introduction. a. Introduction to Cybersecurity. b. Introduction to IoT.	X			Reading and study of materials	1,5	3,5
2	2	1. Lesson 1. Introduction. a. Introduction to Cybersecurity. b. Introduction to IoT.	X			Reading and study of materials	1,5	3,5
3	3	2. Lesson 2. Architectures in IoT a. Architectures. b. Devices.	X			Reading and study of materials	1,5	3,5
4	4	2. Lesson 2. Architectures in IoT a. Architectures. b. Devices.	X			Reading and study of materials	1,5	3,5
5	5	3. Lesson 3. Security services and mechanisms a. Security/communications protocols. b. Authentication. c. Identification (Biometrics). d. Cryptographic primitives.	X			Reading and study of materials	1,5	3,5



6	6	3. Lesson 3. Security services and mechanisms a. Security/communications protocols. b. Authentication. c. Identification (Biometrics). d. Cryptographic primitives.	X			Reading and study of materials	1,5	3,5
7	7	Practical case 1	X		Computer Lab	Reading and study of materials	1,5	3,5
8	8	Practical case 1	X		Computer Lab	Reading and study of materials	1,5	3,5
9	9	3. Lesson 3. Security services and mechanisms a. Security/communications protocols. b. Authentication. c. Identification (Biometrics). d. Cryptographic primitives.	X			Reading and study of materials	1,5	3,5
10	10	3. Lesson 3. Security services and mechanisms a. Security/communications protocols. b. Authentication. c. Identification (Biometrics). d. Cryptographic primitives.	X			Reading and study of materials	1,5	3,5
11	11	Practical case 2	X		Computer Lab	Reading and study of materials	1,5	3,5
12	12	Practical case 2	X		Computer Lab	Reading and study of materials	1,5	3,5
13	13	4. Lesson 4. Advanced topics. a. (Implantable) Medical devices. b. Forensic analysis of IoT devices.	X			Reading and study of materials	1,5	3,5



14	14	4. Lesson 4. Advanced topics. a. (Implantable) Medical devices. b. Forensic analysis of IoT devices.	X			Reading and study of materials	1,5	3,5
15	15	Assesment	X			Exam preparation, tutorships (if needed)	1,5	3,5
16	16	Grade publication, grade revision, closure of ordinary sitting	X			Grade revision		
TOTAL HOURS							22,5	52,5