



SUBJECT: Sistemas de Ciberseguridad		
MASTER DEGREE: MÁSTER UNIVERSITARIO EN INGENIERÍA INFORMÁTICA	ECTS: 6	SEMESTER: 1

CRONOGRAMA DE LA ASIGNATURA (versión detallada)								
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 to cybersecurity	X		Audiovisual	Study topic 1.1	1.66	3
1	2	Cyberthreats (I)	X		Audiovisual	Study topic 1.2	1.66	4
2	3	Cyberthreats (II)	X		Audiovisual	Study topic 1.3	1.66	3
2	4	Network exploitation	X		Audiovisual	Study topic 1.4	1.66	4
3	5	Cyberattack techniques	X		Audiovisual	Study topic 2	1.66	3
3	6	INVITED TALK / DEMO	X		Audiovisual	Study topic 2	1.66	4



4	7	Introduction to cyberdefense systems	X		Audiovisual	Study topic 3.1	1.66	3
4	8	Authentication (1)	X		Audiovisual	Study topic 3.2	1.66	4
5	9	Authentication (2)	X		Audiovisual	Study topic 3.2, general review	1.66	7
6	10	Log systems (1)	X		Audiovisual	Study topic 3.3	1.66	1
6	11	Log systems (2)	X		Audiovisual	Study topic 3.3	1.66	3
6	12	LAB (Authentication)	X		Online	Laboratory work	1.66	3
7	13	Log systems (3)	X		Audiovisual	Study topic 3.3. Review previous topics, midterm exam preparation	1.66	5
7	14	MIDTERM EXAM + Introduction to networks	X		Audiovisual	Study topic 4.1	1.66	2
8	15	LAB (Logs)	X		Online	Preparation and Laboratory work	1.66	7



9	16	Firewalls (1)	X		Audiovisual	Study topic 4.2	1.66	3
9	17	Firewalls (2)	X		Audiovisual	Study topic 4.2	1.66	4
10	18	IDS 1	X		Audiovisual	Study topic 4.3	1.66	3
10	19	LAB (firewalls)	X		Online	Preparation and laboratory work	1.66	4
11	20	IDS 2	X		Audiovisual	Study topic 4.4	1.66	3
11	21	IDS 3	X		Audiovisual	Study topic 4.4	1.66	4
12	22	SIEM 1	X		Audiovisual	Study topic 4.5	1.66	3
12	23	LAB (IDS)	X		Online	Laboratory work	1.66	4
13	24	SIEM 2	X		Audiovisual	Study topic 4.5 and review of previous contents	1.66	7



14	25	SIEM 3	X		Audiovisual	Study topic 4.5	1.66	3
14	26	DEMO SIEM	X		Audiovisual	Study topic 4.5 General reviewl	1.66	4
15		FINAL EXAM PREPARATION (1)	X			General review of contents	0	7
16		FINAL EXAM PREPARATION (2) AND DOING	X			General review of content and final exam	2	7
TOTAL HOURS							46	112