Universidad Carlos III de Madrid

SUBJECT:	VULNERABILITIES, THREATS AND COMPUTER SECURITY PROTOCOLS		
DEGREE:	BACHELOR IN MANAGEMENT OF PUBLIC SECURITY	COURSE: 4 º	TERM: 2 º

WEEKLY PLANNING

WEEK	SESSION	CONTENT DESCRIPTION	GROUP (Select X) MAIN GROUP	REDUCED	Type of class	STUDENT WORK ALONG THE WEEK DESCRIPTION	CLASS HOURS	PERSONAL WORK HOURS 7 H maximum
1	1	Introduction to the subject and the assessment method	x				1,5	5
1	2	Topic 1. Basic system interconnection protocols. Provided services	X				1,5	
2	3	Topic 1. Basic system interconnection protocols. Provided services	X				1,5	7
2	4	Topic 1. Basic system interconnection protocols. Provided services	X				1,5	
3	5	Topic 1. Basic system interconnection protocols. Provided services	X				1,5	7
3	6	Topic 1. Basic system interconnection protocols. Provided services	X				1,5	
4	7	Topic 1. Basic system interconnection protocols. Provided services	X				1,5	7
4	8	Topic 2. Situation of the security of IT systems and products. Intrinsic and extrinsic vulnerabilities	X				1,5	
5	9	Topic 2. Situation of the security of IT systems and products. Intrinsic and extrinsic vulnerabilities	X				1,5	7
5	10	Topic 2. Situation of the security of IT systems and products. Intrinsic and extrinsic vulnerabilities	X				1,5	

76	11	Topic 3. IT attacks. Analysis, classification and impact assessment	X				1,5	7
6	12	Topic 3. IT attacks. Analysis, classification and impact assessment	X				1,5	
7	13	Topic 3. IT attacks. Analysis, classification and impact assessment	X				1,5	7
7	14	Topic 4. Security services and measures. Prevented risks	X				1,5	
8	15	Topic 4. Security services and measures. Prevented risks	X				1,5	7
8	16	Topic 4. Security services and measures. Prevented risks + Mid-term exam	X				1,5	
9	17	Topic 4. Security services and measures. Prevented risks	X				1,5	7
9	18	Topic 5. Digital signature. Certification authorities. Public key infrastructures	X				1,5	
10	19	Topic 5. Digital signature. Certification authorities. Public key infrastructures	X				1,5	7
10	20	Topic 5. Digital signature. Certification authorities. Public key infrastructures	X				1,5	
11	21	Topic6. Topic 6. Multi-factor authentication systems. PKI-based authentication systems.	X				1,5	7
11	22	Topic6. Topic 6. Multi-factor authentication systems. PKI-based authentication systems.	X				1,5	
12	23	Topic6. Topic 6. Multi-factor authentication systems. PKI-based authentication systems.	X				1,5	7
12	24	Topic 7. Security protocols	X				1,5	

13	25	Topic 7. Security protocols	X				1,5	7
13	26	Topic 7. Security protocols	X				1,5	
14	27	Keynote from Spanish Civil Guard or external expert (may be rescheduled depending on availability)	X				1,5	5
14	28	Keynote from Spanish Civil Guard or external expert (may be rescheduled depending on availability)	X				1,5	
SUBTOTAL							**42+94=136**	

LABS WEEKLY PLANNING							
WEEK	**SESSION**	**CONTENT DESCRIPTION**	**Type of class**	**STUDENT WORK ALONG THE WEEK**			
				DESCRIPCIÓN	**CLASS HOURS**	**PERSONAL WORK HOURS** **7 H maximum**	
1	7	Network analyzers and firewalls	Coomputer classroom		1,5	4	
2	9	Intrusion Detection and integrity check	Coomputer classroom		1,5	4	
3	13	Exploitation of vulnerabilities	Coomputer classroom		1,5	4	
4	20	Digital signatures			1,5	4	
5	23	Authentication technologies	Coomputer classroom		1,5	4	
TOTAL					**7,5+20 = 27,5**		