

COURSE: CRYPTOGRAPHY AND COMPUTER SECURITY		
DEGREE: COMPUTER SCIENCE AND ENGINEERING	YEAR: 2019/2020	TERM: 2º

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 6,5h)
1	1	PRESENTATION. MATHEMATICAL BACKGROUND	X				1,66	6,5
	2	MATHEMATICAL BACKGROUND		X			1,66	
2	3	MATHEMATICAL BACKGROUND	X				1,66	6,5
	4	MATHEMATICAL BACKGROUND		X			1,66	
3	5	INTRODUCTION TO CRYPTOGRAPHY	X				1,66	6,5
	6	CLASSICAL CRYPTOGRAPHY		X			1,66	
4	7	SYMMETRIC ENCRYPTION	X				1,66	6,5
	8	SYMMETRIC ENCRYPTION		X			1,66	
5	9	SYMMETRIC ENCRYPTION	X				1,66	6,5
	10	Lab 1 - SYMMETRIC ENCRYPTION		X	COMPUTER		1,66	
6	11	KEY EXCHANGE AND ASYMMETRIC ENCRYPTION	X				1,66	6,5
	12	KEY EXCHANGE AND ASYMMETRIC ENCRYPTION		X			1,66	
7	13	KEY EXCHANGE AND ASYMMETRIC ENCRYPTION	X				1,66	6,5
	14	Lab 2 - KEY EXCHANGE AND ASYMMETRIC ENCRYPTION		X	COMPUTER		1,66	
8	15	WRAPING - PART I	X				1,66	6,5

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	16	PARTIAL TEST PART I		X			1,66	0,5
9	17	HASH FUNCTIONS AND MAC	X				1,66	6,5
	18	DIGITAL SIGNATURE		X			1,66	
10	19	DIGITAL SIGNATURE	X				1,66	6,5
	20	DIGITAL SIGNATURE		X			1,66	
11	21	DIGITAL SIGNATURE	X				1,66	6,5
	22	Lab 3 - HASH FUNCTIONS, MAC AND DIGITAL SIGNATURE		X	COMPUTER		1,66	
12	23	PKI	X				1,66	6,5
	24	PKI		X			1,66	
13	25	PKI	X				1,66	6,5
	26	PKI		X			1,66	
14	27	USER AUTHENTICATION	X				1,66	6,5
	28	Lab 4 - PKI		X	COMPUTER		1,66	
	29	WRAPING - PART II	X				1,66	3,25
Subtotal 1							48	94
Total 1 (Hours of class plus student homework)							142	
15		Tutorials, handing in, etc					3,6	-
16		Assessment					4	10
17								
18								
Subtotal 2							8	10
Total 2 (Hours of class plus student homework)							18	
TOTAL (Maximun 160 horas)							160	

