

SUBJECT:	SECURE SYSTEMS ENGINEERING	YEAR: 2017/2018			
MASTER DEGR	EE: CYBERSECURITY	ECTS: 3	QUARTER: 2		

MEEK SESSION		DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION	Indicate YES if the sesión	WEEKLY PROGRAMMING FOR STUDENT			
	0,		LECTURES	SEMINAR S	(Computer class room, audio-visual class room)	requires 2 teachers	DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7 h week)	
1	1	Welcome. Lec 1 – Concepts.	x				Review and study the concepts of secure software development. Read bibliography.	1,5	5	
2	2	Lec 2 – Requirements	X				Review and study the concepts and techniques of security requirements elicitation. Study a security requirements elicitation methodology.	1,5	4	
3	3	Lab 1 – Requirements		X	Computer class room		Apply a security requirements elicitation methodology to a specific case.	1,5		
3	4	Lab 1 - Requirements		X	Computer class room			1,5	7	
3	5	Lec 3 - Design	X				Review and study the concepts and techniques of secure design.	1,5		



4	6 7	Lab 2 – Design Lab 2 – Design		x x	Computer class room Computer class room		Study a specific threat modeling technique. Apply a specific threat modeling technique to a given system. Continue working on Lab 1 assignment.	1,5	7
4	8	Lec 4 & 5 – Implementation & testing	x				Review and study the concepts and techniques relevant to secure software implementation and testing.	1,5	
5	9	Lec 6 – Other concepts	x				Review and study other concepts and techniques related to secure software development. Continue working on Lab 1 assignment. Prepare Lab 1 and 2 assignment reports.	1,5	7
6	10	Lab 1 Assessment + Lab 2 Assessment		Х	Computer class room		Present reports on Lab 1 and Lab 2 assignments.	1,5	7
6	11	Lab 3 – Implementation & testing		Х	Computer class room		Explore techniques of secure software implementation and testing.	1,5	
6	12	Lab 3 – Implementation & testing		Х	Computer class room			1,5	
8	13	Lab 3 Assessment + Final Exam					Prepare for the assessment.	1,5	7
						TOTAL HOURS	19,5	44	