



SUBJECT: Advanced persistent threats and information leakage			
Master in Cybersecurity	COURSE: 1	SEMESTER: 2	ECTS: 3

WEEK	CONTENTS Teacher (José María de Fuentes García-Romero de Tejada)	State additional needs apart from the regular classroom	WEEKLY STUDENT HOMEWORK		
			DESCRIPTION	ATTENDING HOURS	WORK HOURS
1	Presentation of the subject: structure and contents of space AG, explaining the work to be done, readings, examination, delivery schedule of activities and evaluation system. Introduction. Advanced Command and Control		Familiarization with the educational platform Study of teaching materials (*) Further reading (*) Interventions in discussion forums (*) Attendance at tutorials or online (*) (*) Every week 1-7	1,5 h.	8 h. 30 min.
2	Designing APTs. Case study Real-world APT Issues. Description of assignment	Computer lab	Development of assignment	1,5 h.	8 h. 30 min.
3	Advanced evasion techniques Rootkits and countermeasures Description of assignment	Computer lab	Assignment hand-in Development of assignment	1,5 h.	8 h. 30 min.
4	Information leakage and covert channels Description of assignment	Computer lab	Assignment hand-in Development of assignment	1,5 h.	8 h. 30 min.
5	Modern steganography	Computer lab	Development of assignment	1,5 h.	8 h. 30 min.
6	Information leakage countermeasures Recap		Development of assignment Assignment hand-in	1,5 h.	8 h. 30 min.
7	Tutorships				10 h.
8	Assessment	Computer lab	Exam preparation, tutorships (if needed)	1 h. 30 min.	8 h. 30 min.
9	Grade publication, grade revision, closure of ordinary sitting		Grade revision		
TOTAL				10,5	69,5

