



DENOMINACIÓN ASIGNATURA: Intelligent Transportation Systems

POSTGRADO: MÁSTER UNIVERSITARIO EN
Professor/a: Fernando García Fernández

ECTS:
3

CUATRIMESTRE:
2

CRONOGRAMA DE LA ASIGNATURA (versión detallada)

WEEK	SESSION	Description of the content of the session	GROUP		Extra space necessary	Weekly work of the student		
			1	2		DESCRIPTION	Class hours	Weekly work (max 7 H)
1	1	Introduction	X			The topic will be presented. It will be presented the concept of Intelligent Transportation Systems.	2	5
2	2	Sensors in Intelligent Vehicles	X			Sensing technologies will be introduced. Computer vision and scanner laser.	2	7
3	3	Sensors in Intelligent Vehicles(II)	X			Mode sensing technologies, such as GPS and CAN Bus will be explained.	2	7
4	4	Advanced Driver Assistance Systems	X			The different ADAS technologies available nowadays will be presented.	2	7
5	5	Autonomous Vehicles	X			It will be presented the origin and the actual autonomous vehicles, as well as the process followed to develop this technology.	2	7



6	6	Lab Visit			Access to Laboratories	Students will visit the LSI lab, where they will see intelligent vehicles, autonomous vehicles and drones, as well as the different technologies developed on them.	2	6
7	7	Oral Presentation of Works	X			Students will present their Works. The performance and the quality of these works will be used in the evaluation process.	2	7
TOTAL HOURS							14	46