ANNEX 2.12

DEGREE PROGRAM DIDACTIC REGULATIONS

AUTONOMOUS VEHICLE ENGINEERING

CLASS LM-33

School: Polytechnic School of Engineering and Basic Sciences

Department: Civil, Building and Environmental Engineering

Didactic Regulations in force since the academic year 2024-25

Course: SMART ROADS AND COOPERATIVE DRIVING	**Teaching Language:** English
SSD (Subject Areas): ICAR/05	**CREDITS:** 6
Course year: II	**Type of Educational Activity:** C
Teaching Methods: In-person	
Contents extracted from the SSD declaratory consistent with the training objectives of the course: Analysis of the phenomena of the mobility of people and goods for the configuration of the best system from technological, functional, and other aspects. Identification and development of technologies peculiar to the different modes of transport for regulation and control of mobility systems.	
Objectives: The course provides students with a clear and deep understanding of the technical and functional requirements to be satisfied for vehicle/road interaction in connected and automated driving scenarios. Students acquire knowledge in digital road transformation, understanding the potential of new technologies for solving road and traffic flow problems. Students understand how to deal with V2-X communication systems and C-ITS services in a context in which roads are equipped with traffic sensors.	
Propaedeuticities: None **Is a propaedeuticity for:** None	
Types of examinations and other tests: Oral	