ANNEX 2.3

DEGREE PROGRAM DIDACTIC REGULATIONS

AUTONOMOUS VEHICLE ENGINEERING

CLASS LM-33

School: Polytechnic School of Engineering and Basic Sciences

Department: Industrial Engineering

Didactic Regulations in force since the academic year 2023-2024

Course: DESIGN OF AUTONOMOUS AIRCRAFT	Teaching Language: English	
SSD (Subject Areas): ING-IND/05		CREDITS: 9
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: The sector studies aeronautics and space systems both on the whole and with reference to the interaction and integration aspects of the subsystems that realize the configuration, in relation to the achievements of mission goals. Aspects of investigations are: subsystems and sensors needed for guidance navigation and control, design and experimentation of onboard/ground systems		
Objectives: The course is intended to: - complete student knowledge about key technologies for unmanned/autonomous aircraft; - provide insight and hands-on experience on state-of-the-art approaches and technologies; - present practical cases of design and development of autonomous aircraft technologies (exploiting the potential of advanced simulation environments, working with experimental datasets and/or with real hardware, introducing the possibilities offered by mixed approaches).		
Propaedeuticities: None		
Is a propaedeuticity for: None		
Types of examinations and other tests: Oral and Project Discussion		