



**ANNEX 2.10**  
**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 2024-2025**

<b>Course:</b> POWER AND PROPULSION SYSTEMS FOR UV		<b>Teaching Language:</b> English	
<b>SSD (Subject Areas):</b> ING-IND/08		<b>CREDITS:</b> 9	
<b>Course year:</b> II	<b>Type of Educational Activity:</b> B		
<b>Teaching Methods:</b> In-person			
<b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b> The sector studies the thermodynamic, fluid dynamics, energy, ecological, technological and environmental problems of fluid machines. The sector's skills cover the design, management, diagnostics, control, environmental impact, experimentation, and testing aspects of fluid machines (internal combustion engines). The sector also studies propulsion systems.			
<b>Objectives:</b> The course aims at providing students with advanced notions related to the design and management of the propulsion systems of ground unmanned vehicles. Notions cover the operation of powertrain components and their integration, with particular focus on energy efficiency and environmental impact.			
<b>Propaedeuticities:</b> None			
<b>Is a propaedeuticity for:</b> None			
<b>Types of examinations and other tests:</b> Project discussion			