



ENERGY SYSTEMS ENVIRONMENTAL IMPACT	
Enrollment year	2019/2020
Academic year	2020/2021
Regulations	DM270
Academic discipline	ING-IND/11 (ENVIRONMENTAL TECHNICAL PHYSICS)
Department	DEPARTMENT OF PUBLIC HEALTH, NEUROSCIENCE, EXPERIMENTAL AND FORENSIC MEDICINE
Course	ENVIRONMENT AND WORKPLACE PREVENTION TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	2°
Period	1st semester (01/10/2020 - 15/01/2021)
ECTS	2
Lesson hours	16 lesson hours
Language	Italian
Activity type	WRITTEN TEST
Teacher	MAGRINI ANNA (titolare) - 2 ECTS
Prerequisites	-
Learning outcomes	Provide the expertise to evaluate the environmental impact of energy systems aimed at its control. The course focuses on the noise control application
Course contents	<p>The course will be addressed in particular the the noise pollution of machines, providing not only acoustic and noise pollution concepts, but also the techniques of intervention for reducing the noise of the machines. In detail:</p> <ul style="list-style-type: none"><li>- Sound propagation principles in the external/internal environment .</li><li>- Materials for noise absorption, sound barriers.</li><li>- External environment: noise sources in the urban environment; criteria for the noise evaluation; techniques for calculating the sound pressure level; analysis of the interventions for noise reduction. Notes on noise</li></ul>

	<p>pollution environmental protection.</p> <ul style="list-style-type: none"> <li>- Noise Mapping.</li> <li>- Noise limits and measurement techniques.</li> </ul>
<b>Teaching methods</b>	Lessons
<b>Reccomended or required readings</b>	The learning material will be provided for the exam in the form of videolessons and other documents on the web platform KIRO
<b>Assessment methods</b>	Test examination
<b>Further information</b>	<p>The course provides basic skills for understanding and solving problems to reach the targets indicated by the 2030 Agenda on Sustainable Development.</p> <p>In particular, theoretical contents and practical applications address topics related to Goal 11 (sustainable cities and communities)</p>
<b>Sustainable development goals - Agenda 2030</b>	<a href="#">\$lbl legenda sviluppo sostenibile</a>