

	<b>Subject</b>	<b>type</b>	<b>hour/ week</b>	<b>hour/ sem.</b>	<b>ECTS</b>
	Installations in Sustainable Architecture	P	2	30	4
<p>Description: Sustainable architecture is the design of buildings and spaces that minimize the environmental impact and enhance the quality of life of the occupants and the community. One of the key aspects of sustainable architecture is the integration of installations, such as heating, ventilation, lighting, water supply, and waste management systems, that optimize the performance and efficiency of the building while reducing its ecological footprint. This course will introduce the students to the principles and practices of sustainable architecture, with a focus on the role of installations in enhancing the environmental, social, and economic aspects of the built environment. The course will combine theoretical lectures, practical workshops, site visits, and group projects. The students will learn how to use various tools and software to analyze the energy performance and environmental impact of buildings and installations. They will also apply their knowledge to design and evaluate installations for a laboratory building that meets the standards of sustainability and functionality.</p> <p>Presentation of technological solutions in buildings used to obtain renewable energy and increase energy efficiency. Presentation of methods for estimating energy consumption and determining the carbon footprint of a building by Life Cycle Assessment.</p>					