

<b>ARCH 3220</b>	<b>ENVIRONMENTAL CONTROL IN BUILDINGS I</b>	<b>3 Credit Hours</b>
<b>Prerequisites</b>	<b>ARCH 3120</b>	
<b>Goal</b>	To introduce the student to basic theory and concepts of Mechanical, Thermal and Fire Protection as they pertain in the construction of residential, commercial and public buildings.	
<b>Objectives</b>	<b>Outcomes</b>	
<p>The course should enable the student to :</p> <ol style="list-style-type: none"> <li>1. Understand the principles of Environmental systems like Mechanical, Thermal and Fire in residential, commercial and public buildings.</li> <li>2. Be familiar with the codes and how they can be complied with.</li> <li>3. Be acquainted with cost estimating.</li> <li>4. Be acquainted with the integration of different environmental systems in a building.</li> </ol>	<p>The students should be able to study :</p> <ol style="list-style-type: none"> <li>1. Describe the principles of environmental systems like Mechanical, Thermal and Fire in residential, commercial, and public building.</li> <li>2. Identify and describe the codes controlling such systems and how they can be complied.</li> <li>3. Produce basic cost estimates for building and/or sections of buildings.</li> <li>4. Describe how the different environmental systems in a building can be integrated.</li> </ol>	