

## ARCH2244 - Commercial Projects

Credits:	4 (1/3/0)
Description:	This course covers the construction document process for commercial building design while having the student complete a self-guided capstone project. Content includes final detailing, scheduling and sheet set layout from a given design developed project.
Prerequisites:	• ARCH2226
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol> <li>Report code requirements of mixed-use building typology.</li> <li>Design floor plans of a self-guided project.</li> <li>Draw floor plans per given CAD standards.</li> <li>Complete a square footage estimate of a self-guided project.</li> <li>Design the exterior of a self-guided project.</li> <li>Select exterior material finishes for a self-guided project.</li> <li>Draw building elevations per given CAD standards.</li> <li>Draw a roof plan per given CAD standards.</li> <li>Select initial structural, mechanical and electrical systems for a self-guided project.</li> <li>Create a coordinated building section for a self-guided project.</li> <li>Draw sections per given CAD standards.</li> <li>Report zoning requirements of a project site.</li> <li>Draw property metes and bounds from given survey information.</li> <li>Draw a site plan per given CAD standards.</li> <li>Select interior material finishes for a self-guided project.</li> <li>Coordinate door, window and room finish schedules with a building design.</li> <li>Draw construction details for a building envelope.</li> <li>Coordinate a drawing set per given CAD standards.</li> </ol>
MnTC goal areas:	None

<sup>\*</sup>Can be taking as a Prerequisite or Corequisite.