ARCH2226 - Residential Project II

Credits:	4 (1/3/0)
Description:	This course introduces building design and construction requirements for multi-family housing. The course covers the processes for the selection of building materials and their integration into construction documents.
Prerequisites:	• ARCH1126
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Report code requirements of various multiple-family housing typologies. 2. Create typical unit floor plans. 3. Draw floor plans per given Computer Aided Drafting (CAD) standards. 4. Examine maintenance-free exterior material selections. 5. Create multiple exterior design options using various materials and roof forms. 6. Create project estimates for various elevation options. 7. Draw building elevations per given CAD standards. 8. Draw roof plans per given CAD standards. 9. Coordinate a structural framing layout with mechanical and electrical systems. 10. Draw a building section per given CAD standards. 11. Draw wall sections per given CAD standards. 12. Draw a stair section per given CAD standards. 13. Report zoning requirements of multiple-family housing typologies. 14. Draw property metes and bounds from given survey information. 15. Draw a site plan per given CAD standards. 16. Examine interior material selections requirements. 17. Coordinate door, window and room finish schedules with building design. 18. Draw construction details for the building envelope. 19. Complete a project estimate of interior finishes. 20. Produce a coordinated construction document set.
MnTC goal areas:	None

Can be taking as a Prerequisite or Corequisite.

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