## ARCH2226 - Residential Project II

$\left.\begin{array}{|l|l|}\hline \text { Credits: } & \text { 4(1/3/0) } \\ \hline \text { Description: } & \begin{array}{l}\text { This course introduces building design and construction requirements for multi-family housing. } \\ \text { The course covers the processes for the selection of building materials and their integration } \\ \text { into construction documents. }\end{array} \\ \hline \text { Prerequisites: } & \begin{array}{l}\text { - ARCH1122 } \\ \text { - ARCH1126 }\end{array} \\ \hline \text { Corequisites: } & \begin{array}{l}\text { Pre/Corequisites*: }\end{array} \\ \hline \text { Competencies: } & \begin{array}{l}\text { 1. Report code requirements of various multiple-family housing typologies. } \\ \text { 2. Create typical unit floor plans. } \\ \text { 3. Draw floor plans per given Computer Aided Drafting (CAD) standards. }\end{array} \\ \hline \begin{array}{l}\text { 4. Examine maintenance-free exterior material selections. }\end{array} \\ \begin{array}{ll}\text { 5. Create multiple exterior design options using varying materials and roof forms. } \\ \text { 6. Create project estimates for various elevation options. }\end{array} \\ \begin{array}{ll}\text { 7. Draw building elevations per given CAD standards. } \\ \text { 8. Draw roof plan per given CAD standards. } \\ \text { 9. Coordinate structural framing layout with mechanical and electrical systems. } \\ \text { 10. Draw a building section per given CAD standards. }\end{array} \\ \hline \text { 11. Draw wall sections per given CAD standards. } \\ \text { 12. Draw a stair section per given CAD standards. } \\ \text { 13. Report zoning requirements of multiple-family housing typologies. } \\ \text { 14. Draw property metes and bounds from given survey information. } \\ \text { 15. Draw a site plan per given CAD standards. } \\ \text { 16. Examine interior material selections requirements. } \\ \text { 17. Coordinate door, window and room finish schedules with building design. } \\ \text { 18. Draw construction details for the building envelope. } \\ \text { 19. Complete a project estimate of interior finishes. } \\ \text { 20. Produce coordinated construction document set. }\end{array}\right\}$

[^0]
[^0]:    *Can be taking as a Prerequisite or Corequisite.

