

EID-217 Intro to Computer Aided Design
Spring 2021 | Monday / Wednesday 6:00 pm – 8:50 pm | Eiben 104

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Course Description

Students will learn how to develop floor plans, elevations, sections and schedules using AutoCAD. Students will be introduced to Sketchup as a design visualization tool.

Course Objectives

1. Software Proficiency: Student will be able to create 2D drawings using AutoCAD software.
2. National CAD Standards: Student will be able to create AutoCAD files that conform to nationally recognized CAD standards.
3. Drawing Organization: Student will be able to create a technical drawing set, understand the relationship and organization within the set and understand what information should be displayed on the individual sheets.
4. Building Codes: Student will be able to understand the fundamentals of codes applicable to interior design.
5. Design Visualization: Student will be able to create models in Sketchup.

Course Outline

Projects:

1. AutoCAD listing of shortcuts, commands and their function (10%).
2. AutoCAD template (10%).
3. Produce drawing set of single family home (20%).
4. Sketchup model of single family home (10%).

Exercises:

- There will be in-class exercises that reinforce concepts learned in class.

Tests:

- AutoCAD Knowledge Test (multiple choice)
- Create Floor Plan (timed drafting assessment)

Grading

- Attendance and exercises – 30%
- Tests – 20%
- Projects – 50%

*Class schedule is dynamic and subject to adjustment at instructor's prerogative for course continuity.