

EID-217 Intro to Computer Aided Design

Spring 2019 | Monday & Wednesday 6:00 pm – 8:50 pm | Eiben 104

Instructor: Aaron Shimizu

Phone: 808-218-5917

Email: aaron.shimizu@chaminade.edu

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.
2. AutoCAD template.
3. Trace existing drawing for hotel renovation project.
4. Hotel renovation model unit drawing set:
 - a. Submittal #1: Design Concept
 - b. Submittal #2: FF&E Submittal
 - c. Submittal #3: Drawing Set
5. Research Projects: Research and present on assigned topics.
6. Sketchup model of renovated model unit.

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%