

Architecture 119 (Section 7160)
 Computer Aided Architectural Drafting
 Fall 2013

Course Information	
Course Title	Computer Aided Architectural Drafting (Section 7160)
Location	TECH 253 11:00 – 11:50 am Tuesday (Lecture) TECH 252 12:15 - 2:20 pm Tuesday and Thursday (Lab) TECH 253 11:00 – 12:05 pm Thursday (Lecture)
Dates	August 27, 2013 – December 12, 2013
Holidays	Thursday, November 28, 2013 Thanksgiving
Last date to drop with "W"	November 15, 2013
Instructor	Bruce Cook
Instructor contact	Phone: 310-374-6753 Email: bcook@elcamino.edu
Recommended text (These are NOT required)	Mastering AutoCAD 2012 and AutoCAD 2012 LT (Omura), or AutoCAD 2012 and AutoCAD 2012 LT Bible (Finkelstein)

S.L.O.

Students will demonstrate knowledge of the software commands necessary to create architectural drawings.

Course Description

This course is a beginning level architectural CAD drafting class. The student will be required to complete small drawing assignments, as well as produce numerous construction documents in the studio portion of the class. We will be using AutoCAD 2012 software.

Course Objectives

To provide the computer software background necessary to function as a CAD draftsman. The student will learn how to manage numerous elements on the same drawing using layers. The student will also learn the major commands necessary to produce the most popular architectural construction documents.

Course Materials Required

- Notebook
- Architect's scale
- Flash Drive (2)

Note

Students with disabilities who believe they may need accommodations in this class are encouraged to contact the Special Resource Center on campus as soon as possible to better ensure such accommodations are implemented in a timely fashion. As well please contact me privately to discuss your special needs.

Grade Breakdown

Individual Projects	600 points
Midterm Exam	50 points
Attendance	250 points
Final Exam	100 points
Total possible points	1000 points

Final Grade

Final grade will be determined based on the following scale:

Points	Letter grade
900-1000	A
800-899	B
700-799	C
600-699	D
000-599	F

Course Grading

There will be numerous drawing projects throughout the course of the semester. The variables that will determine your grade will be: **Assignment Completeness, Individual Response to due dates, Attendance, Graphic Skills and Individual Effort.** There are a variety of ways in which you will receive feedback. You will meet periodically with your professor in the computer lab to discuss your projects. Each project will be given a due date when handed out. On the due date you should place your projects in the flat file drawer (in the studio) labeled "ARCHITECTURE 120-D." **No late work will be accepted.** Be realistic about the amount of time that you give yourself to do the assignments. The Architecture Studio Lab is open from 9:00 am to 9:00 pm Monday through Thursday (This is subject to change so check beforehand). If you feel that you need extra time to work on your projects this is a good place to be. Many experts in the CAD field agree that it takes about 100 hours of time spent on the AutoCAD Software to be proficient enough to become a CAD draftsman in an architect's office. If you spend every hour of required time in the computer lab you would have about 64 hours. Class begins at the specified times. Students late for class will be deducted 15 points. Students late for lecture should enter through the rear door of the lecture room (through the studio). If the student does not show up (and does not notify the professor beforehand) they have an unexcused absence (-25 points). Required attendance applies to both lecture and lab hours. Be aware that attendance is a QUARTER of your final grade (Four unexcused absences is equal to a loss of one letter grade! Late for class seven times equals a loss of at least one letter grade!). Please turn cell phones to silent mode during lectures. If cell phones ring a warning will be given and 50 points will be assessed thereafter. Students will be assessed 50 points for using cell phones during lecture. You will be responsible to obtain lecture notes from fellow students should you miss a lecture. It is the student's responsibility to drop the class if they choose to stop attending. Do not depend on the professor to drop you if you choose to quit the class.

Final Comments

- It's your responsibility to drop the class should you choose to discontinue the class! If you stop attending class and do not drop you will receive a grade of F.
- No late homework is accepted! It's better to turn in incomplete work than no work.
- There are no makeup exams or homework.
- The instructor will not repeat lectures! If you miss a class it's your responsibility to obtain the lecture material from fellow students.
- Show up for class and show up on time!
- Notify the professor after arriving late for class or you will be considered absent.
- Do not use cell phones or laptops during lecture.
- Do not record or video lectures. Take notes!
- Do YOUR OWN WORK! Turning in work done by others is plagiarism and will be penalized.

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Approximate Lecture Schedule

Approximate Week	Lecture Subject
1	Introduction, drawing lines, Exercise 1
2	Arrays, Title Block
3	Details template, Layers, Framing Details
4	Framing Details, Blocks
5	Framing Details
6	Framing Details, Floor Plan
7	Floor Plan
8	Floor Plan, Attributes
9	Electrical Plan
10	Roof Framing Plan
11	Roof Framing Plan, Tables
12	Foundation, Multilines
13	Foundation
14	Elevations, Sections
15	Site Plan, Roof Plan, Elevations, Sections
16	Site Plan, Roof Plan, Elevations, Sections, Final Exam