



Course Syllabus – Spring 2014

WLAC COURSE: ARC 162 – COMPUTER-AIDED DESIGN AND DRAFTING (CSU) 3.00 units*LAIAD Course: ARCH 411B - Intermediate Architectural Drawing 2*

PRE-REQUISITE / CO-REQUISITE

Arch 161 – Intro to Computer-aided Architectural Drawing

SCHEDULE / LOCATION

6:00 pm – 8:00 pm M, Th at LAIAD, 3807 Wilshire Bl. Suite 330

FACULTY

Alan Guillen alan.guillen.arch@gmail.com, aguillen@LAIAD.com

OFFICE HOURS

By Appointment. The instructor is available during business hours for consultation outside of class. Students are encouraged to seek help and bring concerns to the instructor during this time. Please don't hesitate to ask for help or assistance if you need it, or to discuss any concerns you have regarding the class.

COURSE DESCRIPTION

This course is a continuation of ARC 161 presenting studies of AutoCAD for architects focusing on intermediate level Autocad concepts. Includes 3-dimensional modeling in AutoCAD.

RECOMMENDED READING

Mastering AutoCAD 2013 and AutoCAD LT 2013, George Omura and Brian C. Benton, 2012

Other Recommended Resources

Self Paced Tutorials

Downloadable / Viewable at:

<http://www.lynda.com/>

Youtube.com

GOOGLE It

Try Amazon.com or other online book sellers for the best prices on these titles.

LEARNING OBJECTIVES

1. Construct a three-dimensional model using CAD software.
2. Create and edit dynamic blocks using CAD software.
3. Create, edit, and employ custom line weight file.
4. Construct and apply annotative text and annotative dimensioning.
5. Recognize and explain BIM and other 3D modeling concepts..

COURSE CONTENT

-Plotting with custom line weights

-Creating pdf files from AutoCAD.

-Combining pdf files in Acrobat. Importing drawings into Illustrator. Concepts regarding vector and raster images.

-Advanced use of external references

- Dynamic blocks.
- Annotative text and annotative dimensions
- Three-dimensional face modeling in AutoCAD.
- Three-dimensional solid modeling in AutoCAD.
- Basic commands to create three dimensional models in Rhino.

Complete a three-dimensional model for final project. **JOURNALS**

Each student is required to bring to all classes a hard-bound journal (sketchbook). These journals will form a record of your thoughts and ideas. Faculty may also make sketches and notes in your journal relative to your projects. These journals will be reviewed at the end of the Semester.

EVALUATION GUIDELINES AND PROCEDURES:

1. Students are evaluated for individual progress using the following criteria:
 - A. Development of skills and abilities listed under learning objectives.
 - B. Attendance and contribution to studio, lectures, and field trips.
 - B. Evidence of motivation / perseverance.
 - D. Willingness to explore alternatives and take risks.
 - E. Willingness to accept criticism.
2. In terms of the criteria listed above the design studio activities are weighted approximately as follows:

Studio projects	75% (number of projects may vary)
Attendance and Participation	15%
Instructor Discretion	10%
TOTAL	100%
3. Grades given on LAIAD transcripts will be traditional A,B,C, F grading. No grades of D will be given.
4. Equal Grades will be given on West Los Angeles College Transcripts if student is enrolled at WLAC for credit.
5. Attendance is mandatory. Students missing 25% of classes will be subject to dismissal.
6. **No studio project assignments will be accepted for full credit if late or unfinished.**

TENTATIVE SCHEDULE: Spring 2014

See individual design assignments for particular schedule. Homework will be assigned on a daily basis. Attendance is mandatory to all class meetings.

Week	Day	Date	Subject Matter
0	Thur	Feb 6	Project 1a Assigned
1	Mon	Feb 10	
	Thur	Feb 13	Project 1a Due, Outlines assigned
2	Mon	Feb 17	Outlines due, project 1b Assigned
	Thur	Feb 20	Lecture - demo
3	Mon	Feb 24	Lecture - demo
	Thur	Feb 27	Lecture - demo
4	Mon	Mar 3	Lecture - demo
	Thur	Mar 6	In class crits
5	Mon	Mar 10	Project 1b Work due - Project 2 Assigned
	Thur	Mar 13	Lecture - demo
6	Mon	Mar 17	Lecture - demo
	Thur	Mar 20	In class review
7	Mon	Mar 24	In class review
	Thur	Mar 27	In class review
8	Mon	Mar 31	In class review
	Thur	Apr 3	Project 2 Work due
9	Mon	Apr 7	Spring Break
	Thur	Apr 10	Spring Break
10	Mon	Apr 14	Project 3 Assigned
	Thur	Apr 17	Lecture - demo

11	Mon	Apr 21	Lecture - demo
	Thur	Apr 24	Lecture - demo
12	Mon	Apr 28	Lecture demo
	Thur	May 1	In class review
13	Mon	May 5	In class review
	Thur	May 8	In class review
14	Mon	May 12	In class review
	Thur	May 15	Lecture – demo
15	Mon	May 19	Lecture - demo
	Thur	May 22	Pre final review.
16	Mon	May 26	Memorial Day – No Class
	Thur	May 29	Last Day of Class
17	Sat	May 31	ALL WORK DUE – Final Jury on Saturday May 24