COURSE SYLLABUS – ARCHITECTURE 170
GRAPHIC COMMUNICATION TECHNIQUES

Section 7178

PROFESSOR: **Mike Stallings**
OFFICE : ITEC 204
OFFICE PHONE: 310.660.3593 ex3626
EMAIL: mstallings@elcamino.edu
OFFICE HOURS: TUES/THURS 11:00am-12:00pm
WED 9:00am-10:00am

CLASSROOM: ITEC 203 LECTURE
LABORATORY: ITEC 202 DESIGN STUDIO

LECTURE: MONDAY – WEDNESDAY 2:00pm - 3:00pm
LAB: MONDAY – WEDNESDAY 3:00pm - 5:20pm

STUDENT LEARNING OUTCOME STATEMENTS

Upon completion of this class, the student will be able to demonstrate various manual and computer generated delineation techniques to make an architectural idea artistically understandable.

The student will be able to understand how to draw basic architectural two-dimensional drawings and orthographically project views to create more drawings to better describe an architectural idea.

The student will understand the graphics necessary to show the design process of creating a building, from a conceptual idea to the final presentation drawings.

TEXTS

Ching, Francis	ARCHITECTURAL GRAPHICS;	sixth edition	ISBN 978-1-119-03566-4
Reid, Grant	LANDSCAPE GRAPHICS	any edition	ISBN 0-8230-7333-5

COURSE DESCRIPTION

The primary intention of this course is to acquaint the beginning architectural student with the range of graphic manual skills & computer software tools that are commonly used in a professional office to solve a design problem. At the conclusion of the class, the student will be able to draw and delineate the various types of two and three-dimensional architectural drawings, which convey site and building design ideas.

COURSE OBJECTIVES

The main objective of this course is to provide the beginning architecture student an education in the appropriate graphic vocabulary that is necessary to function as a creative problem solver.

You will learn how to:

1. Create drawing views through the study of orthographic projection
2. Render two dimensional drawings & perspectives using lines and tones
3. Learn how to draw and develop entourage for architectural drawings

4. Arrange and Format a presentation board to thematically represent a design proposal

COURSE MATERIALS

- 3 RING (1") NOTEBOOK
  - Sketch Book
- NON-REFILLABLE PENS
  - Fine, medium, thick points
- MECHANICAL PENCIL (0.5)
  - PENCIL LEADS (H)
- LEAD HOLDER / PENCILS
  - PENCIL LEADS (H,2H,4H)
- LEAD POINTER

One Triangle is required:

- ADJUSTABLE TRIANGLE
  - *APPROX 8" OR 10" OR 12" SIZE*
- 45° DRAFTING TRIANGLE
  - APPROX 4" SIZE
- 30° / 60° DRAFTING TRIANGLE
  - APPROX 10" OR 12" SIZE
- ARCHITECTURE SCALE
  - TRIANGLE TYPE

- DRAFTING TAPE
- DRAFTING BRUSH
- FLASH DRIVE
- LAPTOP COMPUTER (recommended)
- ERASER
- VELLUM

COURSE ASSIGNMENTS AND GRADING

There will be numerous drawing assignments, both freehand sketching and manual + computer generated drawings. The variables that will determine your grade will be:

Skill Development	Response to Requirements
a. Graphic Skills - Accuracy	a. Assignment Completeness
b. Presentation Format	b. Lecture Participation + Studio Work

GRADING BREAKDOWN

ATTENDANCE/PARTICIPATION	250	LETTER GRADES
SKETCHBOOK	100	A = 900 – 1000
DRAWING PROJECTS	450	B = 800 – 899
MIDTERM EXAM	50	C = 700 – 799
FINAL EXAM	150	D = 600 – 699
TOTAL POINTS POSSIBLE	1000	F = 000 – 599

CLASS POLICIES

Students are expected to attend classes regularly. Students whose absences exceed 10% of the scheduled class meeting time, (3 days,) may be dropped by the professor. Class begins at 2:00p.m. SHARP! If the student is not on time, they are tardy (-15pts.) If the student does not show up, (and does not notify the teacher beforehand,) they have an unexcused absence, (-25 pts.) Be aware that attendance is a big part of your final grade. If you leave early from the studio/lab portion of the class, you will be docked (-25 pts.) attendance points as well. Please don't have cell phones on ring mode during lectures or critiques, if they go off one warning will be given and then a 50 point penalty will be assessed. A 50 point penalty will also be given to any student caught texting during our lecture time. The student will be responsible to obtain lecture notes, from a fellow student, of any lecture they have missed. It is the student's responsibility to drop the class if they decide to no longer attend. There is no food or eating allowed in the lecture or studio spaces, drinks are allowed only if there is a top on the container. There are areas in the public spaces just outside either entry into the architecture studio where you may eat.

El Camino College places a high value on the integrity of its student scholars. When the professor determines there is evidence of dishonesty in any academic work, (including, but not limited to; cheating, plagiarism, or theft of exam material,) disciplinary action appropriate to the misconduct, as defined in BP 5500, may be taken. A failing grade on an assignment in which academic dishonesty has occurred and suspension from class are among the disciplinary actions for academic dishonesty (AP 5520). Students with any questions about the academic honesty or discipline policies are encouraged to speak with their professor in advance.

There are a variety of ways in which the student will receive feedback. The student will meet periodically with their professor in the design studio to discuss progress on their project. At this time the student should show their progress on the current assignments. This is a means of exchanging ideas and receiving direction from your professor. Your professor firmly believes that the resulting interaction from working together in a studio environment is one of the most valuable experiences the student can derive from an architectural education. It is also one of the most important tools by which the student's work will be evaluated. The student should have new work to show the class and the teacher every lecture meeting during a project. At the completion of the design project, a formal gathering will take place, sometimes referred to as a "*critique*." This is where the student will present their final graphic solution to the project. Each project will be given a due date when handed out. The project will be due at the BEGINING of class on that date.
(Working on the projects during lecture is not allowed.) NO LATE WORK WILL BE ACCEPTED!!!

Students with disabilities who believe they may need accommodations in this class are encouraged to contact the Special Resource Center (310.660.3295) on campus as soon as possible to better ensure such accommodations are implemented in a timely fashion. As well please contact your professor privately to discuss your specific needs.

SOURCES FOR ART+ ARCHITECTURAL SUPPLIES

EL CAMINO BOOKSTORE:	310.660.3383	
BLUEPRINT SERVICE AND SUPPLY:	310.325.3403	24648 NARBONNE AVENUE, LOMITA
GRAPHAIDES (CULVER CITY):	310.204.1212	3030 SOUTH LA CIENEGA BOULEVARD, CULVER CITY

SEMESTER SCHEDULE

This is a tentative outline of the topics covered by class meetings for the semester
The professor reserves the right to make changes in the schedule as the semester evolves.

WEEK 1 –	CLASS ORIENTATION
	TONE GRADATION PROBLEM
WEEK 2 -	THREE DIMENSIONAL TONAL PROBLEM
	GRAPHIC VOCABULARY
WEEK 3 -	SMALL 1/8"=1'-0" PARK SITE PLAN
	DRAWING GROUND COVER – HARDSCAPE & SOFTSCAPE
WEEK 4 -	DRAWING TREES –DECIDIOUS, EVERGREEN & TROPICAL
	DRAWING SHRUBS
WEEK 5 -	ILLUMINATION, SHADE AND SHADOW
	LINEWEIGHT VALUES
WEEK 6 -	FLOOR & SITE PLANS
	DRAWING FURNITURE AND FLOOR PLAN FIXTURES
WEEK 7 -	ORTHOGRAPHIC PROJECTION
	SITE PLAN & SITE SECTION
WEEK 8 -	DRAW TREES, SHRUBS & GROUNDCOVER IN ELEVATION
	DRAW WATER AND ROCKS AND VEHICLES IN ELEVATION
WEEK 9 -	MIDTERM EXAM
	EXAM REVIEW AND WORK ON PROJECT
WEEK 10 -	THE DESIGN PROCESS
	FINAL PROJECT STATEMENT
WEEK 11 -	SCHEMATIC BUBBLE DRAWINGS
	HISTORICAL EXAMPLES
WEEK 12 -	VARIOUS DIAGRAMS
	MASSING MODELS
WEEK 13 -	CONCEPTUAL DIAGRAMS
	FORMATTING PRESENTATION BOARDS
WEEK 14 -	COMPUTER GRAPHIC SOFTWARE
	ORAL PRESENTATION TECHNIQUES
WEEK 15 -	FINAL EXAM REVIEW
	FINAL EXAM
WEEK 16 -	FINAL PROJECT DUE
	FINAL DRAWING & EXAM RETURN