

Course Syllabus

Computer Aided Drafting and Design

Course Credit:	3 Units
Course Meeting:	M,W 11-12:50, (EHFA# 105)
Office Hours:	M, W 1:30 – 3:30 or by appointment
Contact Information:	Office: EHFA 133 Phone: O: 843-349-2555 C: 917-913-4032 Email: twren@coastal.edu

Materials

Architects Scale Ruler (Photo on Last Page)
USB Thumb Drive 8Gb

Course Description

An introduction to drafting on the computer. Students will learn how to use basic computer drafting commands to input information, organize, layout of 2D and 3D drafting, with an emphasis on drafting for the theater and entertainment industries.

Overview/Objectives

1. Course will consist of drafting techniques as it pertains to computer drafting and design, specifically Vectorworks and Google Sketchup.
2. Students will become proficient at creating two-dimensional plans representing three dimensional objects.
3. Students will become proficient standard theatrical drafting conventions and techniques.

Learning Outcomes

1. Use CAD and graphic systems to produce professional design documents (floor plans, technical elevations, painter's elevations, perspective drawing for scene plates)
2. Analyze and solve conceptual problems with appropriate levels of design detail
3. Functional skills in design visualization, such as 3D computer model-making and rendering in various media.
4. Use effective verbal, graphic and written skills to communicate design concepts to clients and colleagues

Recommended Reading (Text Book purchase not required)

Vectorworks for Entertainment Design by Kevin Lee Allen

Drafting for the Theatre by Professor Dennis Dorn and Mark Shanda

Scenery: Drafting and Construction for Theatre, Museums, Exhibits and Trade Shows by John Blurton

Organization

Much of the class will consist of topical lectures and demonstrations followed by in class exercises. Students apply skills and techniques practiced in class to complete assignments out of class.

Video tutorials or reading materials will be posted on the Moodle and students should view these materials before class. These materials will provide the foundation material for topics covered in class. You are expected to apply lessons from the provided materials to complete in class exercises. Active participation in class is required.

Quizzes will be given on-line and may be taken open book. There will be a time limit to take each Quiz, but you may retake the Quiz as often as you want until the Quiz closes. Quizzes will close the Monday morning following their administration.

Respectful class discussion is essential. Participation in this class should offer a safe and stimulating environment for students to hone their spoken communication skills, and students will be evaluated on both the quality and quantity of their participation. At times, information shared in the class may be of a confidential nature. Students are expected to respect this confidence as needed.

Schedule of Classes

<u>Date:</u>	<u>Scheduled Topics</u>	<u>Projects and Homework</u>	<u>Quizzes and Test</u>
1/14-18	Intro Drafting - Measuring and Scale - Geometry Hand Lettering	Hand Lettering Project	Quiz #1 – Measuring and Geometry
1/21-25	MLK- Monday Off Theatre Geography		Quiz #2 – Theatre Geography
1/28-2/1	Tour Wheelwright Sketch Up		Quiz #3 -Sketch Up
2/4-8	Sketch Up Intro to Vectorworks	Sketch Up Project	Quiz #4 – VW Basics
2/11-15	Tools and 2D Shapes Orthographic Projections	Shapes Project	Quiz #5 – VW Tools
2/18-22	Objects and 3D	EHFA 105 Project	Quiz #6 – VW 3D
2/25-3/1 F-SETC	Working Planes and Viewports Mid Term Exam	Dorm Room	Mid Term Exam
3/4-3/8	Dimensioning and Annotation	Theatre Design	Quiz #7 - Dimensioning
3/11-3/15	Spring Break		
3/18-22 W- USITT	Section Views and Printing		Quiz #8 - Printing
3/25-29	Set Design Libraries	Set Design 1	Quiz #9 – Adv VW Tools
4/1-5	Set Design		
4/15-19	Lighting Design Symbols	Lighting Design	Quiz #10 - Lighting

<u>Date:</u>	<u>Scheduled Topics</u>	<u>Projects and Homework</u>	<u>Quizzes and Test</u>
4/22-26	Work Session		
4/29-5/1	Work Session	5/1 Final Project Due	
5/3 11a	Final Exam		Final Exam 11:00a

Class schedule and topics are subject to change at the discretion of the instructor

Policies

Attendance

Students are expected to attend class and to arrive on time. When conflicts are unavoidable, a student must arrange an excused absence with the instructor *in advance*. Students who miss class are responsible for material covered on that day, for turning in any assignments due that day, and for getting any new assignments. Two excessively late arrivals (more than 10 min) will count as an unexcused absence. Failure to participate in class will count as an unexcused absence. The 3rd unexcused will lower your final grade by 5% each additional unexcused absences will lower the final grade by an additional 5%.

Conduct/Collaboration/Cheating

This class is a skills class. I expect students to help each other to understand the concepts and ideas expressed in class by working with one another. Each student must submit their own work and will be held accountable to explain the tools and possesses utilized to solve specific tasks.

Please review the "2018-2019 Code of Student Conduct" portion of your Student Handbook.

[https://www.coastal.edu/media/studentaffairs/deanofstudents/18-19%20CSC%2017633%20Code%20of%20Student%20Conduct_WEB%20\(003\).pdf](https://www.coastal.edu/media/studentaffairs/deanofstudents/18-19%20CSC%2017633%20Code%20of%20Student%20Conduct_WEB%20(003).pdf)

Students are required to silence alerts on all devices and telephones. Any student disrupting class may be required to leave the classroom.

Homework

Assignments for this class consist of computer generated projects that will be submitted digitally and in print. All work MUST be completed to presentation standards and include your name, the name of the assignment, the name of the course, and the date it is completed. Assignments missing student or assignment information will be reduced by one letter grade.

Students MUST follow file naming as described in each assignment. Typical formatting is as follows: {Project_Name_First letter of your first name and first six(6) letters of your last name} For example: Michelle Schumaker would name file {Project_Name_MShumak}. Printed assignments must include student's full name on each page and multi page submissions must be properly secure such that pages will not become separated. Before turning in any assignment, students should proofread for clarity, grammatical errors, and spelling.

Many assignments will be able to be completed in class. Assignments are due at the start of the class on the due date. *Late assignments will be accepted no later than the start of the next class after the due date. Work turned in during that window will be assessed a 10% late penalty. Any assignment completed more than one week late will receive no credit* – although the work may still be submitted for comments.

Students with special circumstances affecting their ability to complete assignments on time should arrange **24 hours in advance** to be granted an extension. Extensions are granted on a case-by-case basis.

Grading Scheme

The class semester grade will be weighted as follows:

Attendance/Participation: 1/2 letter grade after 3rd absence and 1/2 letter grade for each subsequent absences.

Quizzes	300 pts
CAD Projects/Homework Assignments	900 pts.
Mid Term	200 pts.
Final Exam	250 pts.
Final Project	350 pts.
Total	2000 pts.

Grading will be ABCDF scale:

A	2000-1820 100%-91%	Exceptional work that consistently <u>exceeds</u> the expectations of students in CoFA
B	1819-1640 90% - 82%	Good work which meets the expectations of students in CoHFA
C	1639—1460 81%-73%	Work below the standards expected in CoHFA
D	1459-1280 72%-64%	Work markedly below the standard of CoHFA
F	1279-0 63%-0%	Failing Grade - any required course must be repeated

NOTE:

A grade of "D" or below may trigger an academic action, including but not limited to a warning letter or imposition of probationary status. Students in the BFA program are expected to maintain a "B" grade in their area of specialization.

Grades in the College of Fine Arts measure a student's progress toward mastery in their field. Expectations of progress are defined within each option and for each level of the curriculum.

Faculty consider specific factors in determining grades. Individual rubrics and requirements are made available on a course specific basis. The following are areas of competency in the College of Fine Arts evaluates on a school-wide basis; artistic and professional aptitude and potential, skills mastery, professional conduct and engagement, innovation and positive collaboration.

Architect Scale Ruler Image:

