

ARCH 26A Course Outline as of Fall 2021**CATALOG INFORMATION**

Dept and Nbr: ARCH 26A Title: VISUAL COMMUNICATION 1

Full Title: Visual Communication 1

Last Reviewed: 5/13/2024

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	2.00	Lab Scheduled	3.00	8	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	4.00		Contact Total	70.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: ARCH 62A

Catalog Description:

An introduction to manual architectural graphic communication skills including: gesture drawings; sketching from the environment and reference materials; one- and two-point perspective drawing; rendering; and architectural drafting. Both freehand and instrument approaches will be used to document architectural concepts.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:**Schedule of Classes Information:**

Description: An introduction to manual architectural graphic communication skills including: gesture drawings; sketching from the environment and reference materials; one- and two-point perspective drawing; rendering; and architectural drafting. Both freehand and instrument approaches will be used to document architectural concepts. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:		Effective:	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Major Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Use freehand drawing, sketching and rendering skills to communicate aspects of objects.
2. Demonstrate one point and two point perspective drawing skills to produce drawings of the natural and built environment.
3. Use instrument and freehand drafting to document architectural concepts.

Objectives:

Upon completion of the course, students will be able to:

1. Execute basic freehand sketching and rendering techniques.
2. Draw natural and built objects from the observable environment.
3. Prepare one point and two point perspective drawings from reference material.
4. Execute freehand and instrument drafting exercises to build linework and lettering skills.
5. Complete instrument and freehand drafted drawings to document architectural concepts.

Topics and Scope:

- I. Two-dimensional design communication tools and media such as pencil and/or pen and/or markers
- II. Drawing, sketching and rendering
 - A. Drawing composition
 - B. Basic sketching and rendering techniques
 1. Tools: pencil/pen/marker
 2. Forms, shapes and volumes
 3. Textures, light and shadows
 4. Tonal values and introduction to color
 - C. Drawing natural and built objects in the observable environment and from secondary sources

- III. Gesture drawings
 - A. Drawing composition
 - B. Applying sketching and rendering techniques to gesture drawings
- IV. Perspective drawing
 - A. One-point perspectives
 - B. Two-point perspectives
 - C. Non-building elements in perspective drawings
 - D. Rendering perspective drawings
 - E. Representing materials, transparency and reflections
- V. Light and shading
 - A. Solar path and altitude
 - B. Sun and shadows
 - C. Use in perspective and other drawings
- VI. Instrument and freehand drafting
 - A. Instruments and their use
 - B. Line types, line width and density control
 - C. Architectural lettering
 - D. Orthographic and isometric drawing systems
 - E. Freehand drafting principles and strategies
- VII. Introduction to architectural concepts such as: Site analysis, architectural program, activity sketches and activity relationship mapping
- VIII. Lab Topics:
 - A. Producing sketches of objects from the environment and from reference materials
 - B. Drawing and rendering one-and two-point perspective drawings
 - C. Completing drafting exercises in linework, lettering, orthographic projection and isometric drawings
 - D. Producing a site analysis drawing, architectural program chart, and activity relationship maps

Assignment:

1. Weekly reading assignment (15-30 pages)
2. Two-page analysis of reading/reaction papers (1-2)
3. Sketch journal for weekly drawing exercises
4. Drawing, sketching and perspective drawing assignments (10-15)
5. Drafting exercises (4-6)
6. Site plan, site analysis drawing and program chart
7. Activity relationship mapping exercises (2-4)
8. Quizzes (1-4)
9. Final exam and/or drawing project

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Analysis of reading/reaction papers

Writing 5 - 10%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Site analysis drawing, program chart, and activity relationship maps

Problem solving
15 - 20%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Drawing, sketching and perspective drawing assignments; sketch journal; drafting exercises; and site analysis drawing

Skill Demonstrations
50 - 70%

Exams: All forms of formal testing, other than skill performance exams.

Objective quizzes and final exam (multiple choice, true false, matching, completion, etc.), or final drawing/drafting project/s

Exams
10 - 20%

Other: Includes any assessment tools that do not logically fit into the above categories.

Participation

Other Category
0 - 10%

Representative Textbooks and Materials:

Instructor prepared materials

Ching, Francis D K. Architectural Graphics. New York: Van Nostrand Reinhold Co., 5/e, 2009. classic

Edwards, Betty. Color: A Course in Mastering the Art of Mixing Colors, Tarcher, 2004. classic