

ARCH 26A Course Outline as of Fall 2010**CATALOG INFORMATION**

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

Full Title: Visual Communication 1

Last Reviewed: 12/14/2015

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	17.5	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 drawings using both freehand and instrument approaches.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100; AND

Concurrent enrollment in ARCH 60A and ARCH 61A

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 drawings using both freehand and instrument approaches. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100; AND

Concurrent enrollment in ARCH 60A and ARCH 61A

Limits on Enrollment:

Transfer Credit: CSU;UC.

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:	Transferable	Effective:	Fall 2009	Inactive:	Fall 2021
UC Transfer:	Transferable	Effective:	Fall 2009	Inactive:	Fall 2021

CID:

Certificate/Major Applicable:

Major Applicable Course

COURSE CONTENT

Outcomes and 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. Design and execute two-dimensional presentations composed of drawings, images and/or text.
5. Design and execute instrument and freehand architectural drawings including a Floor Plan and Site Plan.
6. Demonstrate architectural lettering skills.

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
 - 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: architectural drawings
 - A. Instruments and their use
 - B. Orthographic drawing systems
 - C. Freehand drafting principles and strategies
 - D. Line types, line width and density control
 - E. Architectural lettering
 - F. Introduction to architectural drawing types such as: Floor Plan, Site Plan, Framing Plans, Sections and Details
 - 1. Organization and content
 - 2. Convention and common Code requirements
 - 3. Drawing requirements: line types, line widths, density and lettering
 - 4. Drawing two or more of the following: Floor Plan, Site Plan, Framing Plans, Sections and selected Details

Assignment:

1. 15-30 pages of reading per week
2. 2-4 two-page analysis of reading/reaction papers
3. 1 sketch journal for weekly drawing assignments
4. 10-20 drawing exercises
5. 2-4 drawing projects
6. 1-3 architectural drawings
7. Quizzes and 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 10 - 20%

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

Drawing projects and sketch journal

Problem solving 30 - 50%

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

Drawing exercises, architectural drawings, and sketch journal

Skill Demonstrations
20 - 40%

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

Objective exams, problem solving exams, final exam and/or drawing project

Exams
10 - 20%

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

None

Other Category
0 - 0%

Representative Textbooks and Materials:

Instructor prepared materials

Ching, Francis D K. Architectural Graphics. New York: Van Nostrand Reinhold Co., 4/e, 2003.

Ching, Francis D.K. Drawing: A Creative Process. New York: Van Nostrand Reinhold Co., 1990.

Winter, Nathan B. Architecture is Elementary. Gibbs Smith Publishers., 2005.

Benedict, William R. Design and Drawing 1.1. El Corral Publications, 2008.

Benedict, William R. Design and Drawing 1.2. El Corral Publicaitons, 2007.

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