

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

Dept and Nbr: ARCH 26B Title: VISUAL COMMUNICATION 2

Full Title: Visual Communication 2

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	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 62B

Catalog Description:

Continued development of manual architectural graphic communication skills including: gesture drawings; sketching from the environment and reference materials; advanced one- and two-point perspective drawing; rendering; and architectural drawings using both freehand and instrument approaches.

Prerequisites/Corequisites:

Course Completion of ARCH 26A; OR Course Completion of APTECH 45 and ARCH 85A

Recommended Preparation:

Eligibility for ENGL 100 or ESL 100; AND Concurrent Enrollment in ARCH 60B and ARCH 61B.

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

Description: Continued development of manual architectural graphic communication skills including: gesture drawings; sketching from the environment and reference materials; advanced one- and two-point perspective drawing; rendering; and architectural drawings using both freehand and instrument approaches. (Grade or P/NP)

Prerequisites/Corequisites: Course Completion of ARCH 26A; OR Course Completion of APTECH 45 and ARCH 85A

Recommended: Eligibility for ENGL 100 or ESL 100; AND Concurrent Enrollment in ARCH 60B and ARCH 61B.

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:	Spring 2010	Inactive: Fall 2021
UC Transfer:	Transferable	Effective:	Spring 2010	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 advanced freehand sketching and rendering techniques.
2. Draw natural and built objects from the observable environment.
3. Prepare advanced 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 technical architectural drawings such as a Floor Plan, Site Plan, Foundation Plan, Roof Framing Plan, Section and selected Details.

Topics and Scope:

- I. Advanced drawing, sketching and rendering
 - A. Advanced drawing composition
 - B. Advanced sketching and rendering techniques
 1. Tools: pencil/pen/marker and collage
 2. Forms, shapes and volumes
 3. Color, textures, light and shadows
 - C. Drawing natural and built objects in the observable environment and from secondary sources
- II. Advanced gesture drawings: Applying sketching and rendering techniques to gesture drawings
- III. Advanced perspective drawing
 - A. Review of one- and two-point perspective principles
 - B. Advanced two-point perspectives

- C. Complex landscape and human elements in perspective drawings
- D. Advanced rendering of perspective drawings
- E. Representing materials, transparencies and reflections
- F. Use of color in perspective drawings
- IV. Advanced light and shading techniques
 - A. Review of solar path and altitude
 - B. Shadow casting on buildings and the environment
 - C. Use in perspective and other drawings
- V. Presentation drawings
 - A. Planning and organizing a presentation
 - B. Developing presentation drawings, images and text
 - C. Presentation composition and execution
- VI. Instrument and freehand drafting: architectural drawings
 - A. Review of orthographic drawing systems and drawing techniques
 - B. Preparing and executing architectural drawings such as: Floor Plan, Site Plan, Framing Plans, Section and Details
 - 1. Review of drawing organization and content
 - 2. Review of convention and common code requirements
 - 3. Review of drawing requirements: line types, line widths, density and lettering

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. 3-6 technical architectural drawings
7. 2-4 quizzes and 1 final exam and/or final 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 readings	Writing 10 - 15%
Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	
Drawing exercises and projects and architectural technical drawings	Problem solving 30 - 50%
Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
Drawing exercises, sketch journal, and technical architectural drawings	Skill Demonstrations 20 - 40%

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

Quizzes and 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.
(Classic)

Ching, Francis D.K. Design Drawing. New York: Wiley, 1998 (Classic)

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.