

Course Outline of Record

1. Course Code: ARCH-005A
2.
 - a. Long Course Title: Introduction To Drawing & Perspective
 - b. Short Course Title: INTRO/DRAW&PERSPECTV
3.
 - a. Catalog Course Description:

This course is the first in a series of two graphics courses. It is an introduction to basic techniques used for graphic communication in the design profession. It includes the study of orthographic and isometric projections, mechanical and freehand perspectives, shading, shadows and reflection. Students begin the process of compiling work to implement into a comprehensive portfolio.
 - b. Class Schedule Course Description:

This course introduces basic techniques used for graphic communication in the design profession.
 - c. Semester Cycle (*if applicable*): Fall semester
 - d. Name of Approved Program(s):
 - ARCHITECTURAL TECHNOLOGY AS Degree and Transfer Preparation
4. Total Units: 3.00 Total Semester Hrs: 126.00
 Lecture Units: 1 Semester Lecture Hrs: 18.00
 Lab Units: 2 Semester Lab Hrs: 108.00
 Class Size Maximum: 26 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:

Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm1-A)

 Prerequisite: DRA 001
6. Textbooks, Required Reading or Software: (*List in APA or MLA format.*) *N/A*
7. Entrance Skills: *Before entering the course students must be able:*
 - a. Demonstrate proficiency in architectural drafting, and lettering
 - DRA 001 - Apply basic mechanical and or architectural drafting skills and techniques.
 - b. Demonstrate the ability to recognize the appropriate use of standard conventions and symbols used in the design professions.
 - DRA 001 - Define the meaning of basic symbols used in construction documents.
 - c. Demonstrate the ability to lay-out and draw architectural details, and sections at an acceptable level of proficiency
 - DRA 001 - Identify terms and concepts used such as Plan, Section and Detail.
8. Course Content and Scope:

Lecture:

<ol style="list-style-type: none"> a. Office method used for one and two point perspective. b. Grid method used for one point perspective. c. Concept of shade, shadow and reflection. d. Contents, purpose and advantages of a design portfolio.

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Lab: (if the "Lab Hours" is greater than zero this is required)

a. One point interior perspective: floor plan and furniture layout provided; design walls and ceiling, use 'crib' file for furniture b. One point perspective: interior to exterior patio; design walls and ceiling; foliage plus 'crib' file c. Office method perspective of residential project d. Direct method perspective of commercial bank project

9. Course Student Learning Outcomes:

1.

Analyze architectural plans and elevations to produce one and two point perspective drawings. (Psychomotor)

2.

Establish the environmental context of a building and incorporate shade, shadow, and reflection techniques on a one or two point perspective drawing. (Cognitive)

3.

Produce freehand sketches. (Psychomotor)

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Demonstrate the basic perspectives used in the design professions: one point, office method; two point, direct method
- b. Demonstrate the ability to illustrate shadow analysis and projection of shadows to an acceptable level of proficiency as determined by the instructor.
- c. Demonstrate an understanding of construction documents, and the ability to interpret the following: site plan, landscape plan, roof plan, elevations, and details.
- d. Demonstrate an acceptable level of proficiency to illustrate textures and line weights.
- e. Demonstrate an acceptable level of proficiency to illustrate landscape foliage, rocks, shrubs & trees.
- f. Demonstrate the ability to complete a line perspective by synthesizing all of the above items (A-E).
- g. Organize all design drawing projects for final presentation.
- h. Design a 'Portfolio' to demonstrate a level of proficiency acceptable for entry level employment or for transfer to a university.

11. Methods of Instruction: *(Integration: Elements should validate parallel course outline elements)*

- a. Demonstration, Repetition/Practice
- b. Discussion
- c. Laboratory
- d. Lecture
- e. Observation
- f. Participation

Other Methods:

a. Design drawing assignments presentation b. Video presentation: Kirby Lockard (University of Arizona) step-by-step Design Drawing video series 1, 2, 3 and 4.

12. Assignments: *(List samples of specific activities/assignments students are expected to complete both in and outside of class.)*

In Class Hours: 126.00

Outside Class Hours: 36.00

a. In-class Assignments

- a. Develop drawing "notes" from instructor's white board demonstration drawings
- b. Develop detailed notes of lectures demonstrating drawing progression
- c. Complete assignments on Design Drawing series
- d. Final Project - Residential Illustration. This project will be used as a point of departure and continued development of graphic skills in ARCH-005B.

e. Design portfolio.

b. Out-of-class Assignments

- a. Reading assignments from required text
- b. Prepare for classroom drawing projects
- c. Develop drawing “notes” from instructor’s white board demonstration drawings
- d. Develop detailed notes of lectures demonstrating drawing progression
- e. Complete assignments on Design Drawing series
- f. Complete weekly drawing assignments
- g. Final Project - Residential Illustration. This project will be used as a point of departure and continued development of graphic skills in ARCH-005B.
- h. 8 1/2 X 11in. bond sketches assigned each week -- subjects vary
- i. Compile all current work.
- j. Design portfolio.

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Portfolios
- Computational/problem solving evaluations
- Presentations/student demonstration observations
- Self/peer assessment and portfolio evaluation
- Student participation/contribution
 - Participation in classroom discussions
- Other
 - a. Design drawing assignments b. Completeness, and timeliness of assignments c. Each student will be evaluated on the basis of their initial sketches, progress in their drawing proficiency, and the level of improvement demonstrated in their final project.

14. Methods of Evaluating: Additional Assessment Information:

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO - Career and Technical Education

- Fulfill the requirements for an entry- level position in their field.
- Apply critical thinking skills to execute daily duties in their area of employment.
- Apply critical thinking skills to research, evaluate, analyze, and synthesize information.
- Exhibit effective written, oral communication and interpersonal skills.
- Transfer to a higher level learning institution

IO - Aesthetics

- Apply and relate theories of aesthetics to everyday life.
- Utilize the creative process to explain universal values such as beauty and truth.
- Apply imagination to artistic expression.
- Value appearance in terms of how pleasing it is in movement, form, and function.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
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19. Provide Reasons for the Substantial Modifications or New Course:

Periodic Course Review

20. a. Cross-Listed Course (*Enter Course Code*): N/A
b. Replacement Course (*Enter original Course Code*): N/A

21. Grading Method (*choose one*): Letter Grade Only

22. MIS Course Data Elements

- a. Course Control Number [CB00]: CCC000513185
b. T.O.P. Code [CB03]: 20100.00 - Architecture and Architec
c. Credit Status [CB04]: C - Credit - Not Degree Applicable
d. Course Transfer Status [CB05]: A = Transfer to UC, CSU
e. Basic Skills Status [CB08]: 2N = Not basic skills course
f. Vocational Status [CB09]: Possibly Occupational
g. Course Classification [CB11]: Y - Credit Course
h. Special Class Status [CB13]: N - Not Special
i. Course CAN Code [CB14]: N/A
j. Course Prior to College Level [CB21]: Y = Not Applicable
k. Course Noncredit Category [CB22]: Y - Not Applicable
l. Funding Agency Category [CB23]: Y = Not Applicable
m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (*if program-applicable*): ARCHITECTURAL TECHNOLOGY

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 26
Third Year: 26

24. Resources - Faculty - Discipline and Other Qualifications:

- a. Sufficient Faculty Resources: Yes
b. If No, list number of FTE needed to offer this course: N/A

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (*Explain:*)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Donbert M. Bitanga Origination Date 04/22/18