

Course Outline of Record

1. Course Code: ARCH-008
2.
 - a. Long Course Title: Architectural Design Fundamentals I
 - b. Short Course Title: ARCH DESIGN FUND I
3.
 - a. Catalog Course Description:
 This course is an introductory study of design problems in three dimensions. The concept of space, form, structure, color and materials are studied in addition to the universal principles common to all design disciplines. This course focuses on the analysis of design techniques, and exercises to develop students' skills.
 - b. Class Schedule Course Description:
 This course is an introductory study of design problems in three dimensions including the concept of space, form, structure, color and materials in addition to the universal principles common to all design principles.
 - 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: 28 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)
 Advisory: 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:*
Advisory skills:

a.

Use specific drafting tools

- DRA 001 - Use specific drafting tools
- DRA 001 - Apply basic mechanical and or architectural drafting skills and techniques.
- DRA 001 - Identify terms and concepts used such as Plan, Section and Detail.

8. Course Content and Scope:

Lecture:

- a Familiarization with the terminology of design “theories”
- b Influences design theories have on architectural form
- c Exploring the three-dimensional qualities of architectural environments by reading, writing, discussions, and by drawings

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

- a. Model building
- b. Organizational methods for cut and paste presentation
- c. Analysis and interpretation of orders and ideas with formal, spatial and organizational implications

9. Course Student Learning Outcomes:

1. Respond to issues of design principles.
2. Demonstrate the relationship between concept and the spatial expression of design ideas.
3. Construct a three-dimensional model of a spatial experience.

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

- a. Understand the relationship of drawing and model building as a "design tool" and the need to develop a craftsmanship in both media.
- b. Explain the role of interpretation and transformation in the design process.
- c. Understand the meaning of design as an expression of human endeavor and the role of buildings as 'storytellers'.
- d. Demonstrate the making of models and drawings as design tools and ordering devices to clarify ideas
- e. Evaluate the appropriate responses to issues of design.
- f. Demonstrate the relationship between concept and the spatial expression of design ideas.

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

- a. Collaborative/Team
- b. Discussion
- c. Laboratory
- d. Lecture
- e. Participation

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

Design and construction of assigned model-building projects

b. Out-of-class Assignments

1. Reading assignments from handouts
2. Design assignments for "pin-up" critiques
3. Preparation for classroom discussions on three-dimensional exercises
4. Completion of weekly sequential design/drawing assignments

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

- Written homework
 1. Weekly assignments
 2. Design assignments
- Critiques
- Portfolios
- Presentations/student demonstration observations
- Product/project development evaluation
 - Final 'Jury' presentation (Final design project).
- Self/peer assessment and portfolio evaluation
- Student participation/contribution
 - Studio participation

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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

Apply critical thinking skills to research, evaluate, analyze, and synthesize information.

IO - Aesthetics

Apply imagination to artistic expression.

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:

Foamcore Alphamat X-acto blades 24" Metal ruler Balsa wood
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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]: CCC000308912
- b. T.O.P. Code [CB03]: 20100.00 - Architecture and Architec
- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: A = Transfer to UC, CSU
- e. Basic Skills Status [CB08]: 1B = Course is a basic skills course
- f. Vocational Status [CB09]: Clearly 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: 28
 Third Year: 28

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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 03/04/17