

Course Outline of Record

1. Course Code: ARCH-003B
2.
 - a. Long Course Title: Architectural Practice II
 - b. Short Course Title: ARCH PRACTICE II
3.
 - a. Catalog Course Description:
 This is an advanced drafting course and a continuation of the content and issues introduced in ARCH-003A which includes the development of site plan, floor plans, exterior elevations, roof plan, sections and architectural details. In addition, this course also incorporates a comprehensive study of the development of construction documents.
 - b. Class Schedule Course Description:
 This course is a continuation of the content and issues introduced in ARCH-003A plus a comprehensive study in the development of construction documents.
 - 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: 90.00
 Lecture Units: 2 Semester Lecture Hrs: 36.00
 Lab Units: 1 Semester Lab Hrs: 54.00
 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: ARCH 003A
6. Textbooks, Required Reading or Software: (*List in APA or MLA format.*)
 - a. Wakita, O./Linde, R (2017). Professional Practice of Architectural Working Drawings (5th/e). Wiley & Sons, Inc. . ISBN: 978-1-118-880
 College Level: Yes
 Flesch-Kincaid reading level: 12.5
7. Entrance Skills: *Before entering the course students must be able:*
 - a. Demonstrate proficiency in architectural drafting, and lettering.
 - ARCH 003A - Demonstrate the ability to recognize the appropriate use of standard conventions and symbols used in the design professions.
 - ARCH 003A - Demonstrate the ability to draw appropriate solutions of assigned construction details
 - b. Demonstrate the ability to recognize the appropriate use of standard conventions and symbols used in the design professions
 - ARCH 003A - Demonstrate advanced proficiency in architectural drafting, and lettering
 - ARCH 003A - Demonstrate the ability to draw appropriate solutions of assigned construction details
 - ARCH 003A - Demonstrate the ability to lay-out and draw architectural details, and sections at an acceptable level of proficiency
 - c. Demonstrate the ability to lay-out and draw architectural details, and sections at an acceptable level of proficiency
 - ARCH 003A - Demonstrate advanced proficiency in architectural drafting, and lettering
 - ARCH 003A - Demonstrate the ability to recognize the appropriate use of standard conventions and symbols used in the design professions.
 - ARCH 003A - Explain the basic features of wood frame construction.

ARCH 003B-Architectural Practice II

- ARCH 003A - Demonstrate the ability to draw appropriate solutions of assigned construction details

8. Course Content and Scope:

Lecture:

- a. Site analysis and space adjacency
- b. The process of conceptual design and graphic representation
- c. Preliminary drawings: content and scope
- d. Design Development: content and scope
- e. Preparing construction documents: building codes and regulatory process

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

The drawing process: site plan, foundation plan, floor plans, roof and ceiling plans, exterior elevations, sections, interior elevations, electrical plan, plumbing and mechanical plan, architectural and structural details, door and window schedules.

9. Course Student Learning Outcomes:

1.
Produce design standards to organize, coordinate, and compose a comprehensive set of working drawings. (Psychomotor)
2.
Develop design concepts in relation to preliminary analysis. (Cognitive)
3.
Display comprehensive solutions to cultural, environmental, and design issues. (Affective)

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

- a. Demonstrate an understanding of design standards for the organization, coordination, and cross-referencing a complete set of working drawings;
- b. Understand and apply the process and sequence which is used to systematically represent 3-dimensional structures in a 2-dimensional format;
- c. Demonstrate the ability to graphically represent construction details and sections by 'freehand' sketching;
- d. Demonstrate the ability to draw a complete set of construction documents for a residential, wood-frame building.

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

- a. Collaborative/Team
- b. Demonstration, Repetition/Practice
- c. Discussion
- d. Lecture

Other Methods:

a. Lectures, films, slides and overhead projections b. Individual student desk critiques c. Weekly pin-ups of students' assignments and critique; d. Demonstrations of acceptable drawing practices by instructor; e. Classroom discussions and problem solving strategies f. Demonstration of interactive CAD lab and studio preparation.

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

In Class Hours: 90.00

Outside Class Hours: 72.00

a. In-class Assignments

a. Classroom participation during lectures is expected and required b. Respond to desk critiques by demonstrating improvement in assignments c. Demonstrate improved skills based on pin-ups and

critiques d. View slides, films and overheads and develop notes for use in assignments e. Work on design and presentation of semester-long project

b. Out-of-class Assignments

a. Conduct study and gather information on building zoning ordinance for the particular assigned building site b. Conduct study and gather information on building feasibility of assigned project c. Work on design and presentation of semester-long project

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

- Critiques
Individual desk critique and class critique
- Student participation/contribution

14. Methods of Evaluating: Additional Assessment Information:

- a. Written assignments b. Lecture and studio participation c. Weekly drawing assignments d. Research and library skills (critical thinking skills assignments) e. Mid-term project f. Final project

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.
- Apply imagination to artistic expression.
- Value appearance in terms of how pleasing it is in movement, form, and function.

IO - Critical Thinking and Communication

- Apply principles of logic to problem solve and reason with a fair and open mind.
- Appreciate diversity as it is expressed in multiple disciplines and across various cultures through reading, speaking and writing.

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]: CCC000269786

ARCH 003B-Architectural Practice II

- b. T.O.P. Code [CB03]: 20100.00 - Architecture and Architec
- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: B = Transfer CSU
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Advanced 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