

STANDARDIZED COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER: ARC 116

COURSE TITLE: ARCHITECTURAL DRAFTING I

COURSE CATALOG DESCRIPTION: Students will develop a working knowledge of the fundamental concepts of architectural drawing through lectures, demonstrations, class exercises, fieldtrips, quizzes and exams. Architectural projects and discussions associated with the lecture portion will focus on residential construction.

LECTURE HOURS: 2

CREDIT HOURS: 2

PREREQUISITE: none

CO-REQUISITE: Drafting I Lab

SECTION II

- A. SCOPE:** The course will focus on the student's ability to meet the subject competencies and objectives through their communication of drafting and text with project material. Student will understand architectural tools, basic techniques and conventions used in the building industry. Student will understand plan, section, elevation, detail and orthographic drafting. Basic residential construction methods will be emphasized with integration of material covered in courses normally taken during the same semester.
- B. REQUIRED WORK:** Students will be expected to identify plan, section, elevations and details and develop and understanding of orthographic drafting and how these are used in architectural offices as tools for conveying the design and construction of structures. A minimum of two tests will be given on integration of the text with the project material.
- C. ATTENDANCE AND PARTICIPATION:**
Regular attendance, assignment submissions, timeliness, promptness and class participation are expected.
- D. METHODS OF INSTRUCTION**
Methods of instruction include any of the following: lecture, demonstration , group discussion, field-trips and use of classroom audiovisual and computer – based presentation materials.

E. OBJECTIVES, OUTCOMES AND ASESMENTS

1. COURSE OBJECTIVES/COMPETENCIES

LEARNING OBJECTIVES	LEARNING OUTCOMES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:	As measured by:
Tools and basic techniques	Use textbook examples as well as actual project examples from the field	Class exercises, homework, quizzes and exams
Importance or clear and concise oral presentation in the professional field	Present project and answer questions in front of peers.	Oral Class project presentations
Ability to solve problems and produce drawings in a timely and neat fashion	Produce work in a specific period of time, using organizational skills and problem solving skills	Class exercises, quizzes and exams
To demonstrate conventional page layout and relationship of specific drawings to the Contract Documents in terms of information and detail	Use textbook examples as well as actual project examples from the field	Class exercises, homework quizzes and exams

F. TEXT(S) AND MATERIALS

Building Construction Illustrated, 3rd Ed.- FrancisD. K. Ching, Casandra Adams , ISBN: 0-471-35898-3 Paperback

G. **INFORMATION TECHNOLOGY**- Microsoft Word for Research paper