

STANDARDIZED COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER: ARC 116L
COURSE TITLE: ARCHITECTURAL DRAFTING I LAB

COURSE CATALOG DESCRIPTION: This course provides a working knowledge of the fundamental concepts of architectural drawing through lectures, demonstrations, field trips, “Charettes” and major projects. Architectural projects focus on residential construction.

LAB HOURS: 4
CREDIT HOURS: 1

PREREQUISITE: none
CO-REQUISITE: Drafting I

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 projects. Basic residential construction methods will be emphasized with integration of material covered in courses normally taken during the same semester. Project emphasis will be placed on drafting tools, techniques through and basic conventions in communication. The duration of “Charrettes” and projects will vary throughout the semester depending on the material covered. Project content will focus on basic residential construction methods. Current articles relating to the building industry will be read and discussed in class.

B. REQUIRED WORK:

Students will be working on a minimum of four projects and two charrettes. Projects and charrettes will be assigned on a timed basis. Projects will be “Pinned up” for peer review and critique by professor for a minimum of 50% of the projects and charrettes. Students will be exposed to public speaking and pressure of directly integrating with classmates. This public speaking models what is required of a professional in the field.

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 drafting techniques	Use tools and techniques work for “Charrettes” and project	Class exercises, charrettes and projects
Drafting and Lettering with sound Technique	Integrate these neatly and correctly in drawing	Class exercises, charrettes and projects
Importance or clear and concise oral presentation in the professional field	Present project and answer questions in front of peers.	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, , charrettes and projects
Importance of team work and discussion with peers to solve problems and generate new ideas	Work together with peers to come up with different solutions to the same problem	Class discussions and “pin – up “ sessions in class

F. TEXT (S) AND MATERIALS:

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

G. INFORMATION TECHNOLOGY- Microsoft Word for Research paper