

STANDARDIZED COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER: ARC 205L
COURSE TITLE: ARCHITECTURAL DESIGN I LAB

COURSE CATALOG DESCRIPTION: Course will have emphasis on function, form and space as they apply to commercial projects and professional standards through exercises and larger projects, demonstrations and fieldtrips. Architectural exercises and projects will focus on steel framing systems in commercial projects of greater complexity and focus on the traditional architectural office.

LAB HOURS: 4

CREDIT HOURS: 1

PREREQUISITE: Drafting II

CO-REQUISITE: Design I

SECTION II

- A. SCOPE:** The course will focus on the student's ability to meet the subject competencies and objectives through communication of design. Students will demonstrate an understanding of basic design concepts applied to given projects. Exercises deal with commercial projects of greater complexity and focus expectations of the traditional architectural office. Basic commercial 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 use given requirements within a limited amount of time and work out possible design and construction solutions. Project emphasis will be placed on execution of the design concept and on students' understanding of the program as demonstrated through the project. These solutions will and show further design development and detail development how these are used in architectural offices as tools for conveying design and construction of structures. A minimum of five major projects will be assigned over the course of the semester. Project review will be by jury for a minimum of 50% of projects. Students will be exposed to public speaking and the pressure of directly integrating with classmates. Student will submit work for final review to a personal portfolio.
- 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, informal pin-ups, juries 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:
Basic design concepts	Apply design concepts to given projects	Class exercises, charrettes and projects
Develop preliminary programs from varied information sources	Use class examples as well as actual project examples from the field	Class exercises, charrettes and projects
Commercial construction techniques for small to medium buildings	Study and document class examples as well as actual project examples from the field	Class exercises, charrettes and projects
Functional layout requirements	Layout program pieces from a given set of requirements	Class exercises, charrettes and projects
To demonstrate conventional page layout and relationship of specific drawings to the Contract Documents in terms of information and detail	Use class examples as well as actual project examples from the field	Class exercises, , charrettes and projects
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
Importance or clear and concise oral presentation in the professional field	Present project and answer questions in front of peers.	Class project presentations

F. TEXT(S) AND MATERIALS

Architectural Graphics For Students.-by FrancisD. K. Ching, and Space, Form and Function, FrancisD. K. Ching,

G. INFORMATION TECHNOLOGY- Microsoft Word for Research paper