

## STANDARDIZED COURSE OUTLINE

### SECTION I

**SUBJECT AREA AND COURSE NUMBER: ARC 205**

**COURSE TITLE: ARCHITECTURAL DESIGN I**

**COURSE CATALOG DESCRIPTION:** students will develop a working knowledge of architectural drawing, fundamental design parameters, and professional standards through lectures, demonstrations, fieldtrips, quizzes and exams. Architectural projects associated with the lecture portion will focus on steel framing systems in commercial construction.

**LECTURE HOURS: 2**

**CREDIT HOURS: 2**

**PREREQUISITE: Drafting II and Drafting II Lab**

**CO-REQUISITE: Design I Lab**

### 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 on 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 with in a limited amount of time and work out possible design and construction solutions and demonstrating an understanding of construction details. A minimum of two tests will be given on integration of the text with the project material As a studio course the emphasis is placed on the execution of the assigned projects and on clear oral presentation of ideas.
- 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**

<b>LEARNING OBJECTIVES</b>	<b>LEARNING OUTCOMES</b>	<b>ASSESSMENT METHODS</b>
To demonstrate an understanding of:	Student will:	As measured by:
Basic design concepts	Use textbook examples as well as actual project examples from the field	Class exercises, homework, and tests
Develop preliminary programs from varied information sources	Use textbook examples as well as actual project examples from the field	Class exercises, homework and tests
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 and tests
Develop preliminary programs from varied information sources	Use class examples as well as actual project examples from the field	Class exercises, quizzes
Commercial construction techniques for small to medium buildings	Study and document class examples as well as actual project examples from the field	Class exercises, quizzes and tests
Develop preliminary programs from varied information sources	Use class examples as well as actual project examples from the field	Class exercises, quizzes and tests
Commercial construction techniques for small to medium buildings	Study and document class examples as well as actual project examples from the field	Class exercises, quizzes and tests
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**

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

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