

STANDARDIZED COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER: ARC 223

COURSE TITLE: BLUEPRINT READING

COURSE CATALOG DESCRIPTION: This course covers the fundamentals of architectural blueprint reading with topics in basic construction of buildings. Material will be discussed through lectures, demonstrations, class exercises, movies and slides and research and evaluated through quizzes and exams.

LECTURE HOURS: 2

CREDIT HOURS: 2

PREREQUISITE: none

CO-REQUISITE: none

SECTION II

A. SCOPE:

Architectural blueprint reading will include topics on basic construction, of buildings, conversions, notations, abbreviations used on plans, elevations and sections. The typical graphic conventions used in an architectural set will be discussed, and the different stages of construction process and related stages of drawing detail required for each stage will be discussed. The organization of a Construction Documents set will be discussed and its relationship to the written specifications, architectural contracts and ownership of these documents.

B. REQUIRED WORK:

Students will be expected to do the required reading from the text and information from lectures and discussions and record important information. At least three group exercises will be conducted of a specific topic will be conducted during class time.. Periodic quizzes will cover materials covered over the semester. A final cumulative exam will be given at the end of the class

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 exercises and discussion, use of classroom audiovisual and computer – based presentation materials.

E. OBJECTIVES, OUTCOMES AND ASESSEMENTS**1. COURSE OBJECTIVES/COMPETENCIES**

LEARNING OBJECTIVES	LEARNING OUTCOMES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:	As measured by:
Various graphic conventions, abbreviations and notations	Show understanding how understanding of conventions and notations by identifying them and decoding them.	Class exercises, homework,
Identification of different architectural drawings and types	Show understanding different types of drawings and relationship to one another.	Class discussions, , homework, quizzes and exams
Identification scales related to level of detail and hierarchy of drawings	Show understanding of organization of Construction Document set	Class discussions, class exercises, quizzes and exams
Relationship of architectural drawings to written specifications	be able to identify which drawings generally relate to which division of the specification.	Class discussions, , quizzes and exams and research paper

**F. TEXT (S) AND MATERIALS-
TBA****G. INFORMATION TECHNOLOGY- Microsoft Word for Research paper**