ARCH 2070: Commercial Design

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 1
Lab Hours/Week: 2
OJT Hours/Week: *.*

Prerequisites:
This course requires both of these prerequisites
ARCH 1015 - Commercial Construction
ARCH 2025 - Revit Architectural 3D CAD

Corequisites: None
MnTC Goals: None

The thought process of an architect during the design phase of commercial construction will be the focus of this course. The students will be exposed to building design, office space planning and major architectural history movements that have shaped the American architectural scene. Other topics include building codes, programming, proportion, circulation patterns, and exterior building massing. The student will take from the course an understanding of the architectural design process and terminology used when discussing architectural design. (Prerequisites: (ARCH 1015 and ARCH 2025) (1 credit lecture/1 credit lab)

B. COURSE EFFECTIVE DATES: 08/11/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Space planning
2. Building codes

D. LEARNING OUTCOMES (General)

1. Analyze a building program of spaces.
2. Design an office and furniture layout.
3. Create the exterior elevation of a commercial building type.
4. Produce the floor plan of a commercial building type.
5. Prepare a bubble diagram.
6. Review the major periods of architectural history.
7. Define the different furniture pieces in office design.
8. Identify the different spatial functions in office design.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted