ARCH 1043: Architectural CAD I

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 1
Lab Hours/Week: 4
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: ARCH 1040
MnTC Goals: None

The architectural technician must gain mastery of industry standard Computer Aided Drafting (CAD) software and computer drafting techniques. This is the first course required to gain mastery. This course will be using the newest version of industry standard CAD software to teach the basic drawing and editing commands. Other topics covered will be placing text, dimensioning, and plotting architectural drawings. The course covers drawing simple floor plans and exterior elevations of a building. (Prerequisites: None)(1 credit lecture/2 credits lab)

B. COURSE EFFECTIVE DATES: 06/01/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. CAD software
2. Computer drafting techniques
3. Plotting of CAD drawings

D. LEARNING OUTCOMES (General)

1. Apply proper storage of CAD files.
2. Utilize CAD drawing and editing commands to create architectural drawing.
3. Select proper text location and size.
4. Place dimension lines on drawing to industry standard.
5. Plot CAD drawings to correct scale and paper size.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted