Alexandria Technical and Community College

IDES 2664: CAD Drawing in Design III

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 2
Lab Hours/Week: 1
OJT Hours/Week: *

Prerequisites:
This course requires the following prerequisite
IDES 2639 - CAD Drawing in Design I (Number of Years Valid: 5)

Corequisites: None

MnTC Goals: None

This course introduces students to Computer Assisted Design and Drafting (CADD) using Chief Architect. Basic commands and software techniques, materials lists, and eventual estimation of a project are covered. Learners draft small scale projects, single family dwellings, and multilevel living drawings. Prerequisite: IDES2639

B. COURSE EFFECTIVE DATES: 08/24/2015 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Identify tools needed for computerized drafting.
2. Perform drawing techniques on wall sections.
3. Perform drawing techniques of windows and doors.
4. Demonstrate use of product codes.
5. Create floor plan drawings.
6. Demonstrate the use of dimension tools.
7. Demonstrate 3D modeling capabilities.
8. Create roof styles.

D. LEARNING OUTCOMES (General)

1. The learner will understand the use of product codes, dimension tools, and material takeoffs.
2. The learner will create computerized drawings of floors, walls, doors, windows, and roofs.
3. The learner will create computerized floor plans and 3D drawings.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted