COMPUTER DRAFTING II — ARCT 1208

A. Course Description
   - Credits: 3.00
   - Lecture Hours/Week: 1.00
   - Lab Hours/Week: 2.00
   - OJT Hours/Week: 0
   - Prerequisites:
     - ARCT 1108: Computer Drafting I
   - Corequisites: None
   - MnTC Goals: None

This course introduces the student to AutoDesk Revit Software. There is an emphasis on BIM workflow and basic to intermediate modeling techniques. The student will develop intermediate CAD and BIM techniques to develop construction drawings. This knowledge can then be applied to projects in concurrent and future projects. Prerequisites: ARCT1108

B. Course Effective Dates: 8/26/19 – Present

C. Outline of Major Content Areas
   - As noted on course syllabus

D. Learning Outcomes
   1. Building a complete Revit model to a level consistent with a Design Development stage, including reflected ceiling plans, design options and drafted details.
   2. Model and Drafting view management including renaming and placing views on sheets, modifying viewports, and control of visibility graphics of individual views.
   3. Rendering interior and exterior views using Revit's cloud rendering capabilities. Lighting and material editing are included.

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

F. Learner Outcomes Assessment
   - As noted on course syllabus
G. Special Information

None noted