



DRAFTING II — IDES 1211

A. Course Description

- **Credits:** 4.00
- **Lecture Hours/Week:** 3.00
- **Lab Hours/Week:** 1.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course covers intermediate skills for generating and reading computer-aided drawings for design and construction. Students will generate drawings used throughout the design process, including industry graphic standards and formatting. Computer software and hardware appropriate to entry level job positions will be used.

B. Course Effective Dates: 8/27/12 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Compare CAD and BIM software
2. Define Model Space and Paper Space
3. Edit Revit elements and families
4. Manipulate ACAD blocks
5. Manipulate ACAD viewports
6. Manipulate dimensions
7. Plot electronic drawing files
8. Utilize ACAD draw commands
9. Utilize ACAD inquiry commands
10. Utilize ACAD layer properties manager
11. Utilize ACAD modify commands
12. Utilize ACAD properties commands
13. Utilize ACAD view commands
14. Utilize Revit build functions
15. Utilize Revit editing functions

16. Utilize Revit print functions
17. Utilize Revit render functions
18. Utilize Revit sheet functions
19. Utilize correct file management
20. Utilize paper space and title blocks
21. Utilize prototype ACAD drawing file

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

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted