CAD III — ARCT 2107

A. Course Description
   ○ Credits: 3.00
   ○ Lecture Hours/Week: 1.00
   ○ Lab Hours/Week: 2.00
   ○ OJT Hours/Week: 0
   ○ Prerequisites: None
   ○ Corequisites: None
   ○ MnTC Goals: None
   
   This course builds on the student's knowledge of AutoCAD. The student will use advanced AutoCAD techniques to develop construction drawings to supplement the work in ARCT 2101. Prerequisites: ARCT1207 or equivalent

B. Course Effective Dates: 8/1/00 – Present

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

D. Learning Outcomes
   1. Draw details in model space
   2. Draw in paper space
   3. Master AUTO CAD setting
   4. Master an understanding of Auto CAD tools
   5. Master an understanding of the project
   6. Master applying text
   7. Master creating attributes
   8. Master creating blocks
   9. Master creating view ports
   10. Master demonstrating organization skills
   11. Master dimensioning elevation
   12. Master dimensioning plans
   13. Master dimensioning sections
   14. Master dimensioning walls
   15. Master drawing angled walls
   16. Master drawing commands
17. Master drawing furniture and fixtures
18. Master drawing schedules
19. Master drawing stairs
20. Master drawing standard shapes
21. Master drawing storefront windows
22. Master drawing structural grids and columns
23. Master drawing wall and building sections
24. Master drawing with continuous wall method
25. Master drawing with wall symbol attributes
26. Master editing doors
27. Master editing windows
28. Master hatch commands
29. Master inserting W-blocks
30. Master inserting doors
31. Master inserting windows
32. Master making design development building section
33. Master making design development elevations
34. Master making design development floor plans
35. Master modifying elevation
36. Master modifying plans
37. Master modifying section
38. Master plotting CAD drawings
39. Master selecting text size
40. Master selecting text style
41. Master sketching
42. Master the use of paper space
43. Master use of W-blocks
44. Master using modify scale commands
45. Master writing elevation notes
46. Master writing section notes
47. Practice lisp commands
48. Research typical shortcuts

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

F. **Learner Outcomes Assessment**
   As noted on course syllabus

G. **Special Information**
   None noted