CARP 1220: Architectural Drawings 2

A. COURSE DESCRIPTION

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

   This course advances the skills taught in Architectural Drawings 1 with a focus on industrial and commercial blueprints. (Prerequisite: CARP 1120) (1 credits: 1 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 02/06/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Review Blueprint Reading
   2. Introduction to Commercial and Industrial Construction
   3. Reading Prints Related to Commercial and Industrial Construction
D. LEARNING OUTCOMES (General)
   1. Review drafting mechanics
   2. Interpret basic architectural abbreviations
   3. Identify drawing equipment and materials
   4. Assume individual job responsibility
   5. Read/use architectural scales
   6. Read and interpret commercial floor plan
   7. Read and interpret industrial floor plans
   8. Read and interpret architectural titles and notes
   9. Interpret foundation/basement plan
  10. Read architectural blueprint dimensions
  11. Read and interpret typical wall-section views
  12. Read pictorial drawings
  13. Read and interpret architectural drawing scales
  14. Interpret basic architectural symbols
  15. Lay out scaled interior/exterior walls
  16. Clean and maintain work areas
  17. Lay out window locations
  18. Lay out interior/exterior door locations
  19. Interpret window schedule information
  20. Interpret door schedule information
  21. Incorporate stairwell opening
  22. Read and interpret stair detail drawings
  23. Dimension stair detail
  24. Read and interpret cabinet plan view drawings
  25. Interpret cabinet detail drawings
  26. Identify projected surfaces
  27. Read and interpret building elevation drawings
  28. Read and interpret building specifications
  29. Read and interpret ADA requirements
  30. Illustrate plot-appropriate residence
  31. Duplicate blueprints
  32. Read electrical blueprints
  33. Read mechanical blueprints

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted