ARCHITECTURAL TECHNOLOGY STUDIO II — ARCT 1500

A. Course Description
   - Credits: 5.00
   - Lecture Hours/Week: 4.00
   - Lab Hours/Week: 1.00
   - OJT Hours/Week: 0
   - Prerequisites: None
   - Corequisites: None
   - MnTC Goals: None

This course will guide students through the production of construction drawings for light commercial buildings. The larger scale and scope of the projects will build upon skills acquired in Studio I and drawings will be more comprehensive as students learn to integrate building codes and regulations into their designs. Students will apply sustainable practices along with industry standards to complete drawings for residential projects. Prerequisites: ARCT1000 Corequisites: ARCT1540 and ARCT1207

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

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

D. Learning Outcomes
   1. Apply sustainable practices
   2. Complete all required exterior elevations for commercial building project
   3. Layout drawing sheets adhering to industry standards
   4. Perform ADA analysis of commercial project
   5. Perform a code check for commercial building
   6. Prepare a complete bound set of working drawings for a commercial project
   7. Prepare a cross-section of a commercial building
   8. Prepare a foundation plan for commercial building project
   9. Prepare a site plan for commercial building project
   10. Prepare door and window schedules using manufacturer's literature
   11. Prepare floor plan(s) for commercial building project
   12. Prepare technical notes for commercial building drawings
   13. Produce an exterior wall section and construction details for commercial building
14. Select building components for commercial buildings
15. Select building materials for commercial buildings
16. Use industry standard method for dimensioning commercial buildings interior and exterior walls
17. Use industry standard technical symbols and abbreviations for commercial construction

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

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted