ARCHITECTURAL STUDIO IV — ARCT 2200

A. Course Description

- **Credits:** 5.00
- **Lecture Hours/Week:** 0.00
- **Lab Hours/Week:** 5.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course provides an opportunity for the student to demonstrate previously-learned architectural technology skills by independently preparing computer-aided design working drawings of a small commercial project. Students will incorporate the completed drawings into their portfolios for internship interviews with future employers. Prerequisites: ARCT2100

B. Course Effective Dates: 2/28/98 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Describe convective heating system
2. Describe thermo transfer
3. Develop CONDOC spec for required project
4. Develop elevator door details
5. Develop elevator pit ladder details
6. Develop elevator shaft fire resistant details
7. Develop elevator shaft section
8. Examine "U" value of construction assembly
9. Examine water distribution system
10. Identify HVAC equipment
11. Identify plumbing supply system
12. Identify plumbing waste system
13. Identify principle of HVAC system
14. Identify simple plumbing rise diagram
15. Perform A.D.A. analysis
16. Refine 3rd semester project construction drawing
17. Refine C D exterior building details
18. Refine roof assembly details
19. Study HVAC system options
20. Study energy conservation measures
21. Study energy terms and definition

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

F. Learner Outcomes Assessment

   As noted on course syllabus

G. Special Information

   None noted