A. Course Description

- **Credits:** 3.00
- **Lecture Hours/Week:** 3.00
- **Lab Hours/Week:** 0.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course provides a basic understanding of horizontal and vertical systems including beams, columns, and frame structures. This course is intended to provide an architectural technician with the knowledge necessary to work and communicate effectively with an architect and a structural engineer.

B. Course Effective Dates: 8/26/19 – Present

C. Outline of Major Content Areas

   As noted on course syllabus

D. Learning Outcomes

1. Apply rules-of-thumb calculations on a preliminary structural layout
2. Identify suitable structural solutions for a given building type
3. Understand typical foundation types and sizes
4. Understand typical loads and forces that act on the built environment
5. Understand typical superstructure types and how the materials and design priorities are affected by structural concerns

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

F. Learner Outcomes Assessment

   As noted on course syllabus

G. Special Information

   None noted