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 is intended to provide an architectural technician with the knowledge necessary to work and communicate effectively with a structural engineer for coordination purposes. A fundamental review of statics and the flow of forces through a structure will be studied as well as the stresses placed on members by various forces.

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

C. **Outline of Major Content Areas**

As noted on course syllabus

D. **Learning Outcomes**

1. Application of basic frame structure concepts using various media and construction techniques.
2. Understanding of strengths of various building materials as used in structural applications.
3. Understanding of the forces and types of stresses that a building must counteract in order to avoid structural failure.

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

F. **Learner Outcomes Assessment**

As noted on course syllabus

G. **Special Information**

None noted