



WISCONSIN

UNIVERSITY OF WISCONSIN-MADISON

University of Wisconsin - Madison
College of Engineering [EGR]
Last Offered: 2015 Spring [1154]
Direct Link to this Syllabus :

<http://aefis.engr.wisc.edu/index.cfm/page/CourseAdmin.ViewABET?coursecatalogid=226&pdf=True>

1. **CIV ENGR 340, Structural Analysis I**
2. **Credits : 4 Contact Hours : 3.8**
3. **Textbook and Materials :**

Fundamentals of Structural Analysis, Leet, Uang & Gilbert

4. **Specific Course Information :**

- a. **Brief description of the content of the course (Course Catalog Description) :** Analysis of statically determinate and indeterminate beams, trusses, and rigid frames; deflections by virtual-work, moment-area; influence lines; force methods; structural design loads, introduction to structural design, approximate methods.
- b. **Pre-requisites or Co-requisites :** EMA 303 & Mech Engr 307 or con reg
- c. **This is a Required course.**

- **Specific Goals for the Course :**

- a. **Course Outcomes :**
- b. **ABET Student Learning Outcomes :**

(a) Ability to apply mathematics, science and engineering principles.