53:134 Structural Design II (Steel Structures)
Spring 2006 (Lecture Summary)
Week 16 (5/1 – 5/5/06)

5/1/06 (Tentative)
♦ Continue with the design of a portal frame.

5/3/06 (Tentative)
♦ Design of Indeterminate Structures: Continuous Beams.
♦ Example of a continuous beam design on page 595 of the text.
♦ Design of a two span continuous beam subjected to live and dead loads. Definition of different loading conditions. Analysis of the beam for different loading conditions. Design moment and shear.

5/5/06 (Tentative)
♦ Continue with design of a two span continuous beam subjected to live and dead loads. Design moment and shear. Selection of a section. Checking of design specifications for flexure, shear and serviceability.
♦ Design of simple connections.
♦ Summary of the course material.