

53:134 Structural Design II (Steel Structures)
Spring 2006 (Lecture Summary)
Week 13 (4/10 - 4/14/06)

4/10/06

- ◆ Continue discussion of animations of buckling failure modes.
- ◆ Review of material on design for flexure.
- ◆ Shear failure modes.
- ◆ Global buckling of columns, slenderness ratio.
- ◆ Local buckling - flange and web local buckling.
- ◆ Lateral torsional buckling failure mode.
- ◆ Design for serviceability.
- ◆ Beam design procedure.

4/12/06

- ◆ Discussion of beam design procedure.
- ◆ Beam design examples. Use of Beam design tables and design charts.
- ◆ **HW#16**: Beam design problem.

4/14/06

- ◆ No classes due to tornado damage.