

Policy: Close notes; close book; no cell phone use during the exam; one formula sheet is allowed; calculator is allowed; work on provided exam sheets only; addition papers can be requested.

Duration: 80minutes (11/27/06 5:30-6:50pm)

Preparation:

1. **Exam Review Problem:** 8-30, 8-79, 9-22, 9-72, 9-86, 10-86, 10-87
Solution for exam review problems are posted on WebCT
2. **Additional office hours:** Monday 11/27/06 2-5:00pm at WH315F. If you can not make to the office hour, contact Prof. Huang at huang@uta.edu to make an appointment
3. All course notes and homework solutions are available at WebCT under course contents
4. **Example topics** (chapter 8, 9, & 10)
 - a. State of stress by combined loading
 - b. Plane-stress transformation
 - c. Principle stress and maximum in-plane shear stress
 - d. Mohr's circle
 - e. Absolute maximum shear stress
 - f. Plane strain
 - g. Strain Rosettes
 - h. General Hooke's law
 - i. Material property relationships
 - j. Theories of failure