MIN 331 (Dis)—Rock Mechanics
Spring 2011 Syllabus

1. Textbook information
   **Required text:** Course handout (contact Mrs. Shirley Hall /Mrs. Judy Russell for CD)
   **Other references:**

2. Topical outline
   1. Review of fundamental mechanics principles
   2. In situ stresses
   3. Basic rock mechanics instrumentation
   4. Rock properties
   5. Field instrumentation
   6. Pillar design
   7. Roof span design
   8. Violent failures
   9. Rock reinforcement
   10. Surface subsidence
   11. Slope stability

   Examine: mid-term and final

   Mid-term exam  30%
   Final exam     30%
   Homework      40%

4. Ethical homework preparation
   All work is done on the honor system. It will be considered unethical (in this course) to confer on answers or look at other people’s work. You may discuss the work with others in a general way, but cannot use another person to help you with the problems.

5. Instructor: Maochen Ge     gem@mst.edu     324 McNutt Hall     341-6029 (Office)