ENGR350 – MECHANICS OF MATERIALS – Spring 2014

Room EGR 219 – MWF 8:00 – 8:45 am

Instructor: Serge Abrate, Professor, Room B112, abrate@engr.siu.edu

Office hours: MWF 1:30-3:30 pm


Objectives: This class will introduce basic concepts in the mechanics of deformable bodies: stress, strain, constitutive equations, tension, torsion, bending and buckling. Students are expected to master these concepts and learn how to apply them to solve practical problems.

Attendance is mandatory. Missed quizzes cannot be made up and will result in a grade of zero. Lab sessions are also mandatory. In case of absence, the grade for the lab will be reduced 50%.

Quizzes: Quizzes will be given twice a week on average. They are designed to make sure that new concepts are well understood and to provide quick feedback.

Homework: a set of homework problems will be given every week. These assignments should be turned in on the due date at the beginning of class. No late homework will be accepted.

Tests:

- Test 1: Wednesday, January 12, 2014
- Test 2: Wednesday, March 26, 2014

Attendance is mandatory. Absences will be excused only under extreme circumstances.

Final grade: Test: 45%, HWK: 20 %, Quizzes: 20%, Lab reports 15%