

# STRUCTURAL GEOLOGY

GEO 428 --- Fall, 2013

INSTRUCTOR: Mark Cloos

OFFICE: 6.112 JGB (Geology) Building  
PHONE: 471-4170

OFFICE HOURS: MWF 10:00-11:00 or whenever door is open

LECTURE SECTION: MWF 9:00-10:00, Room 2.218, JGB (Geology) Building

LAB SECTIONS:

|          |           |                                    |
|----------|-----------|------------------------------------|
| 27665 M  | 2:00-5:00 | Room 3.204, JGB (Geology) Building |
| 27670 T  | 2:00-5:00 | " "                                |
| 27675 W  | 2:00-5:00 | " "                                |
| 27680 Th | 2:00-5:00 | " "                                |
| 27685 F  | 2:00-5:00 | " "                                |
| 27690 W  | 5:00-8:00 | " "                                |

TEXT: None required but *Structural Geology* is suggested  
Robert J. Twiss and Eldridge M. Moores, 2<sup>nd</sup> Edition, 2007  
W. H. Freeman and Company, New York

PREREQUISITES: For students pursuing the Bachelor of Science in Geological Sciences, GEO 420K with a grade of at least C, PHY 301 and PHY 101L or PHY 303K and PHY 103M with a grade of at least C in each, and credit with a grade of at least C or registration for M 408C or M 408K (or 308K). For students pursuing the Bachelor of Arts in Geological Sciences, GEO 420K with a grade of at least C, three semester hours of mathematics other than M 301, M 316K, or M 316L, PHY 302K or PHY 303K with a grade of at least C. For others, consent of instructor.

GRADE:

|                                       |                   |
|---------------------------------------|-------------------|
| Two (2) exams (100 points each) ..... | 200 points        |
| Lab exercises .....                   | <u>150</u> points |
| TOTAL                                 | 350 points        |

The first two exams are scheduled during regular class time and there will be 50 minutes to complete them. The third exam is of the same length, but the full three hours of the "final" exam period is available to complete the test. The lowest exam grade of the three tests will be dropped.

There are NO makeup tests for missed exams or quizzes in labs except for official functions of the University of Texas. Sorry.

FIELD TRIP: To be determined

## LECTURE AND LAB EQUIPMENT:

|  |            |                     |               |
|--|------------|---------------------|---------------|
| Ruler  | Protractor | Compass             | Graph paper   |
| Colored Pencils                                | Eraser     | Unlined white paper | Tracing paper |
| Calculator capable of sines and cosines        |            |                     |               |
| Wulf (Equal Area) Stereographic Net (provided) |            |                     |               |

"The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community."