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GEOL 330.01: Structural Geology

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The University of Montana
 Structural Geology G 330
 Fall, 2003, Jim Sears, SC 371 jwsears@selway.umt.edu

Approximate schedule:

| | | | |
|------------|-----|--|--|
| Sept | 3 | Introduction | |
| | 8 | Mohr diagram | |
| | 10 | Fractures | |
| | 15 | Mohr diagram | |
| | 17 | Faults | |
| | 22 | Mohr diagram | |
| | 24 | Fluids | |
| | 29 | Midterm | |
| Oct | 1 | Fabrics | |
| | 6 | Field trip to Rainbow Bend | |
| | 8 | Bedding folds | |
| | 13 | Rock cleavage | |
| | 15 | Lineations | |
| | 20 | Field trip to Blackfoot thrust at Bonner | |
| | 22 | Mylonitic fabrics | |
| | 27 | Cross-section of Blackfoot thrust | |
| | 29 | Cross-section of Bonner Mt anticline | |
| Nov | 3 | GSA, Guest Lecture | |
| | 5 | GSA, Guest Lecture | |
| | 10 | Plunge projection | |
| | 12 | Palinspastic restoration | |
| | 17 | Thrust systems | |
| | 19 | Thrust systems | |
| | 24 | Montana thrust belt | |
| | 26 | Thanksgiving travel day | |
| Dec | 1 | Extensional systems | |
| | 3 | Transform systems | |
| | 8 | Impact structures | |
| | 10 | Diapirs | |
| Final Exam | | Dec 18, 10:10-12:10 | |
| Labs | 60 | A number of structural geology texts are on reserve in the library for your reference. | |
| Midterm | 40 | For labs, bring a compass, sharp pencil, protractor, and scale. | |
| Final | 50 | | |
| Total | 150 | | |