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GEOL 330.01: Structural Geology

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The University of Montana
Structural Geology G 330
Fall, 2000, Jim Sears, SC 371

Approximate weekly schedule

Sep	4	Introduction, Stress, Mohr diagram
Sep	11	Mohr diagram lab exercises
	18	Advanced Mohr diagrams
	25	Strength of the lithosphere
Oct	2	Strain
	6	Midterm on stress and strain
	9	Stereonet analysis/Structural fabrics
	15	Sunday field trip to Blackfoot River
	16	Folds; kinematics
	23	Fault systems; cross-sections
	30	Foreland fold&thrust belt structures; balanced cross-sections
Nov	6	No class on Election day, Tues Nov. 7; Foreland fold&thrust belt structures; restored cross-sections
	13	GSA week, guest lectures
	20	Structure contours 22-24 Thanksgiving Holiday
	27	Metamorphic structures
Dec	4	Extensional systems; dike swarms
	11	Diapirism; Impact structures

Grading:

Labs must be turned in by beginning of following lab.

~12 labs	60
Midterm test	40
Final exam 10:10-12:10, Dec 18	50
Total	<u>150</u>

References: A number of structural geology books are on reserve in the library for your reference.

For labs, bring a compass, sharp pencil, protractor, and scale.