

GLG 110—PHYSICAL GEOLOGY—LABORATORY SCHEDULE
SPRING 2008—TUESDAY SECTIONS

<u>Date</u>	<u>Laboratory Topic</u>	<u>Reading Assignment</u> <u>(to be read BEFORE coming to lab)</u>
Jan. 15	Physical Properties of Minerals	Lab Coursepack—Ch. 1: Minerals Lecture Text (T&L, 9th)—p. 83-87 CD—frames 242-260, 301-358
22	Mineral Identification	Lab Coursepack—Ch. 1: Minerals Lecture Text (T&L, 9th)—Ch. 3 CD—frames 261-300
29	Mineral Identification (cont.) and Missouri Mineral Resources	Lab Coursepack—Ch. 1: Minerals Lecture Text (T&L, 9th)—p. 642-650
Feb. 5	1 st Hour: EXAM I—MINERALS 2 nd Hour: Introduction to Rocks	Lecture Text (T&L, 9th)—p. 25-30 CD—frames 20-47
12	Igneous Rocks	Lab Coursepack—Ch. 2: Igneous Rocks Lecture Text (T&L, 9th)—Chs. 4 & 5 CD—frames 360-447
19	Sedimentary and Metamorphic Rocks	Lab Coursepack—Chs. 3 & 4: Sed. and Meta. Rocks Lecture Text (T&L, 9th)—Chs. 7 & 8 CD—frames 576-640
26	1 st Hour: Review Rocks 2 nd Hour: EXAM II—ROCKS	
Mar. 4	Quadrangle Maps: Scale, Distance, Direction, and Location	Lab Coursepack—Ch. 5: Quadrangle Maps
11	Quadrangle and Topographic Maps: Location and Contours	Lab Coursepack—Chs. 5 & 6
18	Topographic Maps: Contours	Lab Coursepack—Ch. 6: Topographic Contours
Apr. 1	Topographic Maps: Profiles	Lab Coursepack—Ch. 6: Topographic Contours
8	EXAM III—QUADRANGLE AND TOPOGRAPHIC MAPS	
15	Geologic Maps	Lab Coursepack—Ch. 7: Geologic Maps Lecture Text (T&L, 9th)—p. 248-255, 264-267, 278-288 CD—frames 676-740, 788-857
22	Streams and Fluvial Landforms	Lab Coursepack—Ch. 8: Streams and Fluvial Landforms Lecture Text (T&L, 9th)—Chapter 16 plus Appendix B CD—frames 1105-1166
29	Ground Water and Karst Topography	Lab Coursepack—Ch. 9: Ground Water and Karst Lecture Text (T&L, 9th)—Ch. 17 CD—frames 1168-1210
May 6	EXAM IV—GEOLOGIC MAPS, STREAM AND GROUNDWATER FEATURES	

COMPREHENSIVE MAKE-UP EXAM

There will be one comprehensive make-up lab exam given on the last day of the semester (Thursday, May 8, 2008, 4:00 p.m., Temple 372). This will be the ONLY exam you can take to make up for missing a regularly scheduled lab exam. The exam will have 60 multiple choice questions covering minerals, rocks, topographic maps, geologic maps, and geomorphology. If you miss a regularly scheduled exam during the semester, NO MATTER HOW LEGITIMATE YOUR REASON, this will be your only opportunity to replace your "0" grade for the missed exam. THIS EXAM WILL ONLY REPLACE ONE MISSED REGULAR EXAM. IN NO CASE CAN IT BE USED TO REPLACE A POOR GRADE ON AN EXAM ALREADY TAKEN.

FIELD TRIPS

Geology is fundamentally a field-oriented science. Therefore we offer two optional field trips in conjunction with this course. These field trips are not required but are highly recommended. To give you a little extra incentive to try to fit one or both of these fieldtrips into your schedule, your lecture instructor may offer bonus points toward your lecture point total for field trip attendance. Consult the Policy Statement distributed by your lecture instructor for details.

One Day—Saturday, March 15—Sedimentary Rocks and Fossils of the Springfield Area

Weekend—Friday, April 11, 5:00 p.m. through Sunday, April 13, 7:00 p.m.—Igneous Rocks and Precambrian Geologic History of the St. Francois Mountains, Southeastern Missouri. For a preview of this fieldtrip, see <http://geosciences.smsu.edu/Geology/FieldTrips/StFrancoisMtns>.