

Earth Science (GEOL 1030-005) Lecture Syllabus - Spring, 2009

Day/Time: Mon./Wed. 1:50 - 3:15 P.M

Location: KOM 452 **Instructor:** Dr. Clay Harris **Office:** KOM 322E

Office Hrs: TBA (posted on-line) **Phone:** 904-8019 **e-mail:** cdharris@mtsu.edu

Textbooks: *Earth Science*, 12th ed., Tarbuck & Lutgens, 2006; *Lecture guide*, Harris (2002-03 ed.)

Class website: <http://www.mtsu.edu/~cdharris/GEOL100/> (caps & lower case must be exact!)

**No make-up exams.
NO EXCEPTIONS!!!**

<< Schedule summary >>

Topic no.	Date(s)	Topic(s)	Readings (Ch. & pg's, Tarbuck & Lutgens)
1*	Jan. 21	Textbook: <i>Introduction</i>; On-line readings: <i>*Rocks & Rock Cycle</i>; <i>*Earth Science Primer</i>; <i>Study guide</i>	Chpt. 1 & p. 52-54; <i>*WWW documents</i>
2	Jan. 21	<i>Minerals</i>	Chapter 2 + p. 76-78
3	Jan. 26-28	<i>Plate Tectonics - Parts I & II</i>	Chapter 7 + p. 372-375
4	Feb. 2	<i>Igneous Rocks</i>	Chpt. 3 (p. 54 - 62 only)
5	Feb. 2-4	<i>Igneous Activity</i>	Chapter 9 + p. 294-300
	Mon. Feb. 9	Exam 1: Topics 1 - 5 (Bring a #2 pencil!)	
6*	Feb. 11-16	<i>Weathering, Sedimentary Rocks, (& <i>*Erosion</i>)</i>	p. 84-91 & 62-70
7	Feb. 18	<i>Structural geology</i>	Chapter 10
8	Feb. 18-23	<i>Mountain Building</i>	Chapter 10
9	Feb. 23	<i>Metamorphic Rocks</i>	p. 70-75
10	Feb. 23-25	<i>Earthquakes & Earth's Interior</i>	Chapter 8
	Mon., Mar. 2	Exam 2: Topics 6 - 10 (Bring a #2 pencil!)	
11*	Mar. 4	<i>Soils (+ <i>*Mass wasting & Landscapes</i>)</i>	p. 92-113
12	Mar. 4, 16-18	<i>Water: Surface & subsurface systems</i>	Chapter 5
13	Mar. 18, 23	<i>Historical Geology & Tenn. Geology</i>	Chapter 11
14	Mar. 25-April 1	<i>Marine environments, processes, & features</i>	Chpt. 15, also Box 13.2 & p. 392-393 (Chpt. 14)
	Mon., April 6	Exam 3: Topics 11 - 14 (Bring a #2 pencil!)	
15	April 8-13	<i>The Atmosphere; The Seasons; Heat & Temp.</i>	Chapter 16
16	April 15-20	<i>Atmospheric moisture</i>	Chapter 17
17	April 20, 22	<i>Air pressure and Winds</i>	Chapter 18
18	Apr. 27	<i>Atmospheric disturbances</i>	Chapter 19
		Final Exam: Topics 1-14 (10 pts.); Topics 15-18 (30 pts.) - Bring a no. 2 pencil! Monday, May 4, 12:30 P.M.	

* Reading of the on-line independent study materials for these topics is also required & will be tested.

Note: You must enroll in both lecture (GEOL 1030-005) & laboratory (GEOL1031) to attend this class!

*** All aspects of this syllabus are subject to revision. ***
Any changes will be announced in class.