

Room 114. Bretske Hall **Lecture Time:** Monday , Wednesday, and Friday : 10:00 AM - 10:50 AM

Laboratory Time: Monday: 1:00- 2:50 PM

Textbook: L. A. Raymond, 2002

Online reading can be found at

[http:// www.utc.edu/Faculty/Habte-Churnet/geol342/](http://www.utc.edu/Faculty/Habte-Churnet/geol342/)

Tentative syllabus

Date: M	W	F	Lecture subject	Reading	Week
Jan	5		Introduction, LIPs, MORBs, Arcs	handout	1
	7		Indian Ocean , , Hawaiian islands	web	
	10		Texture and structure of igneous rocks	Ch1 &2	2
	12		>>	HW	
	14		>>	HW	
	17		MLK		3
	19		>>	HW	
	21		Chemistry and Classification of Igneous rocks	Ch 3	
	24		>>	P 13 242	4
	26		>>		
	28		Test 1		
	31		Phase equilibria	Ch. 4	5
Feb	2		>>	IG-PE	
	4		>>	>>	
	7		>>		6
	9		Petrogenesis and rock associations	Ch 5 &6	
	11		>>		
	12		Saturday filed trip to Stone Mtn., GA		
	14		Petrogenesis and rock associations	Ch 5 & 6	7
	16		Rock associations	Ch 7 -11	
	18		>>		
	21		>>		8
	23		>>		
	25		Mid Term Test		
	28		Metamorphic rock and texture	Ch 21	9
March	2		>>	M-1,-8	
	4		>>		
	7		Spring break		
	9		>>		
	11		>>		
	14		Metamorphic type, Facies, Facies Series	Ch 22	10
	16		>>	M-9, -13	
	18		>>		
	19		Saturday Field trip to Chilhowee Dam		
	21		Metamorphic phase diagrams	Ch 23, 24	11
	23		>>	M-14, -16	
	25		Good Friday		
	28		>>		12
	30		Test 3		
April	1		Metamorphic types, regional Contact	Ch 25-29	
	4		>>	M-18	13
	6		>>		
	8		Good Friday		
	11		Absolute age dating		14
	13		>>		
	15		>: Noon depart for field trip to Chunky Gal	1	
	16		Chunky Gal trip till 2:00 PM		
	18				15
	20		Review - last day of class		
April	22		Final Exam Friday: 8-10: AM		

Grading policy

Lecture	No. of tests	% each	% total
Tests	3	15	45
Homework	1	5	5
Final exam	1	25	25
Total			75
Laboratory			
Tests	2	5	10
Field notes	3	5	15
Total			100

Homework: The homework report should be type written and given in a bound form along with the field trip notes.

Grades: A = 90 - 100, B = 80 - 89, C = 70 - 79;
D = 60 - 69, F = 0 - 59.

ADA Statement: If you are a student with a disability (e.g., physical, learning, psychiatric, vision, hearing, etc.) and think that you might need special assistance or a special accommodation in this class or any other class, call the Office for Students with Disabilities/College Access Program at 425-40006 or come by the office - 110 Frist Hall.