GEOLOGY 315, SEC 002
TOPICS IN GEOLOGY: GEOLOGIC MAPPING & INTERPRETATION
SPRING 2006

Instructor:	Rick Diecchio, 3040 David King Hall, 993-1208, rdiecchi@gmu.edu
Office hours:	Wed 12-2 pm
Class time:	Monday 4:30-6:15 pm, alternate weeks, David King 2074
Text:	Spencer, E.W., *Geologic Maps*, 2nd ed., 2000, Prentice Hall
Pre/Corequisites:	GEOL 302, 304, 308, 317, 401

The objective of this course is to provide an introduction to the methods of geologic mapping and map interpretation.

DATE	TOPIC	READINGS
23 Jan	topographic maps, scales, stratigraphy, strike & dip	ch 1, 2, 3
6 Feb	geologic maps: horizontal and homoclinal strata	ch 7, 8
20 Feb	geologic maps: folds	ch 10
6 Mar	geologic maps: faults	ch 11
20 Mar	geologic maps: unconformities	ch 9
3 Apr	geologic maps: surficial deposits, prep for field	ch 6
7 or 8 Apr	field exercise	
17 Apr	geologic maps: igneous and metamorphic rocks	ch 12
1 May	review, hand out final exam (take home)	

Grading:	Final exam	50 points
	Exercises	40 points
	Participation	10 points

Exercises: Exercises will be assigned each class. These exercises will be started during class, finished at home, and discussed at the beginning of the following class. All exercises are due at the beginning of the class after they are assigned, unless otherwise specified. Exercises will be graded on a 5 point scale: 1 or 2 = inadequate, 3 = adequate, 4 = good, 5 = excellent. Exercises that are handed in late will receive no more than 3 points. Exercises handed in after graded exercises are returned to class will receive no more than 2 points.

Honor Code: You are expected to adhere to the honor code. All graded work is expected to be individual efforts, unless teams are specifically assigned. Students are encouraged to discuss the exercises, but each student is expected to complete each assignment individually. **In other words, help each other, but don't show each other the answers.** Completed exercises that indicate unassigned joint efforts will be returned without a grade.

Equipment: Please bring the following to class each week:

calculator with trig functions	pencil and colored pencils
staightedge	engineers scale
protractor	graph paper (10 squares/inch)