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**DEPARTMENT OF GEOGRAPHY, GEOLOGY, AND PLANNING**

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**GLG 333**

**Instructor: Thomas G. Plymate**

**Petrology**

**Office: Temple 358**

**Spring 2007**

**Office Hours: 9:00 to 10:00 MWF  
10:00 to 11:00 TTh**

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**Catalog Description**

**GLG 333 Petrology.** 4(2-4) S. Prerequisite: GLG 332. Origin, classification, and identification of common rocks. A grade of "C" or better is required in this course in order to take GLG 413. This course may not be taken pass/not pass.

**Required Text and Supplemental Materials**

The following text is required for this course:

Blatt, H., Tracy, R.J., and Owens, B.E., 2006, Petrology: Igneous, Sedimentary, and Metamorphic, 3rd ed.

You will also often want to refer to the text from your mineralogy course:

Klein, C., 2002, Manual of Mineral Science, 22nd ed.

You will also need the following items of lab equipment:

hand lens  
dissecting needle (or other soft steel hardness probe)  
transparent plastic millimeter scale.

**Course Objectives**

This course is designed to teach the undergraduate Geology major about the origin, classification, and identification of common types of rocks.

**Course Requirements**

This is an integrated lecture-laboratory course.

Lecture material will be presented via the blackboard, overhead projector, handouts, and reading assignments from Blatt, Tracy, & Owens (BTO) and Klein. I expect you to take thorough notes on all of the lecture material presented.

In addition to the material presented in lecture, there will be a new laboratory exercise assigned each week. These exercises are designed to require from 6 to 8 hours to complete; therefore, it will be necessary for you to spend a significant amount of time in the lab each week "on your own". Each lab exercise will be due one week after it is assigned; no credit will be given for exercises turned in late.

## **Grading**

There will be five exams in this course: three lecture exams and two laboratory exams. Each exam is non-comprehensive. The exams will cover the following topics:

Lecture Exam I	Silicate Mineralogy and Phase Equilibria
Lecture Exam II	Igneous Processes
Lab Exam I	Igneous Rocks
Lecture Exam III	Sedimentary and Metamorphic Processes
Lab Exam II	Sedimentary and Metamorphic Rocks

Your weekly laboratory exercises will also be graded. Your grade for the course will be determined according to the following distribution:

Exams	60%	(12% for each)
Lab Exercises	40%	

Final grades for the course will be based on the standard fixed scale:

90% and above	A
80 to 89%	B
70 to 79%	C
60 to 69%	D
59% and below	F

## **Attendance Policy:**

You are expected to attend all of your courses regularly. I will record attendance in this course every day. Your attendance will not figure directly into the computation of your grade for this course, but it will be virtually impossible for you to learn the material of this course without attending regularly.

No credit will be given for assignments turned in late. I do not give make-up exams. If you know you will need to miss class on a particular date, you can arrange to turn in an assignment or take an exam early.

## **Academic Dishonesty (Cheating):**

All members of the University community share the responsibility and authority to challenge and make known acts of apparent academic dishonesty. Any student detected participating in any form of academic dishonesty in this course will be subject to sanctions as described in the *Student Academic Integrity Policies and Procedures* (<http://www.missouristate.edu/provost/AcademicIntegrity.html>); also available at the Meyer Library Reserves Desk, and in abbreviated form in the *Missouri State University Undergraduate Catalog*. It is your responsibility to read and fully understand Missouri State University's *Student Academic Integrity Policies and Procedures*.

### **Dropping This Class**

It is your responsibility to understand the University's procedure for dropping a class. If you stop attending this class but do not follow proper procedure for dropping, you will receive a failing grade and will be financially obligated to pay for the class. To drop a class go to <http://www.missouristate.edu/recreg/chnsched.html>. You do not need to obtain your instructor's signature to drop a class. If you wish to withdraw from the University (i.e., drop all your classes), contact the Office of the Registrar, Carrington 320.

For Spring 2007, **March 27** is the no-penalty drop deadline. Students who drop full-semester courses by this date receive an automatic N grade. **May 4** is the last day to drop a class. Students who drop between March 28 and May 3 will receive either an N or an F grade, depending on how they were doing in the course at the time of the drop.

### **Students with Disabilities:**

Any student who has a physical or learning disability which he/she believes may affect his/her performance in this course should arrange to meet with the instructor as soon as possible to discuss any accommodations that may become necessary.

Any student who wishes further information about services available to students with disabilities should contact Disability Services (DS), Plaster Student Union, Suite 405, (417) 836-4192 (voice); (417) 836-6792 (TTY); <http://www.missouristate.edu/disability>. Students are required to provide documentation of disability to DS prior to receiving accommodations. DS refers some types of accommodation requests to the Learning Diagnostic Clinic (LDC). The LDC also provides diagnostic testing for learning and psychological disabilities. A fee is charged for testing. For information, contact the LDC, (417) 836-4787.

### **Affirmative Action Statement:**

Missouri State University is an equal opportunity/affirmative action institution, and maintains a grievance procedure incorporating due process available to any person who believes he or she has been discriminated against.

If you have a concern about possible discrimination in the teaching or grading of this course, I hope you would first try to seek an amicable resolution by bringing your concern to my attention. However, at all times, it is your right to address inquiries or concerns about possible discrimination to the Equal Opportunity Officer, Siceluff Hall 296, (417) 836-4252.