

# SIO 152: Introduction to Petrology and Petrography

**Lecture:** M/W 9:30 AM – 10:50 AM (Ritter 229)  
**Laboratory:** M/W 11:00 AM – 12:20 PM (Ritter 229)

**Instructor-** Dr. James Day  
**Office-** Vaughan 306  
**Phone-** 534-5431  
**Email-** jmdday@ucsd.edu  
**Office Hours-** Monday 12:30-2:00, or by appointment

**Lab Instructor -** Kate Durkin  
**Office-** Sverdrup Hall  
**Email-** kdurkin@ucsd.edu  
**Office Hours-** Tuesday 10:00-12:00, or by appointment

## ***General Note***

This syllabus is an outline of proposed events. It is subject to change; however, never without notification, and never to advance the due dates of assignments.

## ***Class Organization***

- The lecture portion of class will be worth 50% of your overall grade. It will consist of one midterm exam worth 150 points, and a final exam worth 200 pts. In addition, there will be three homework assignments totaling 50 points each.
- The lab portion of the class will be worth 50% of your grade and will consist of three lab exams and regular lab exercises that will be due weekly, totaling 500 pts.

The lecture text is *Petrology*, by Blatt, Tracy and Owens (3<sup>rd</sup> edition). The suggested laboratory text is *Petrography of Igneous and Metamorphic Rocks*, by Philpotts. You are responsible for reading the chapters assigned, and the exams will include material covered in the text. Please note, however, that there will be information covered in class that is not covered in the book.

## ***Absences and Missed Work***

There will be no make-up examinations. In the cases of legitimate conflicts, notification is required at least one week before the regularly scheduled examination. In the case of deaths, accidents, or sickness, notification is appreciated as soon as possible and is required within one week of the regularly scheduled examination time. *All excuses must be in writing.*

## ***Classroom Conduct***

Disruptions during lecture will not be tolerated. Disruptive behavior including talking, excessive noise, poor behavior towards other students or instructors/TAs, arriving late/leaving early, reading newspapers in class, inappropriate language/comments in lecture/lab or on-line, or ringing cell phones will result in your being asked to leave the class. **Use of cell phones during class is not appropriate.** Continued disruption will result in failing grade and denial of re-enrollment. It is to your benefit to arrive on time because most announcements and assignments occur at the beginning of lecture/laboratory.

## ***Accommodations for Documented Disabilities***

Any student with a documented disability is welcome to contact me as early in the semester as possible so that we may arrange reasonable accommodations. As part of this process, please be in touch with the UCSD Office of Disability Resources (<http://disabilities.ucsd.edu/>).

### **Academic Integrity**

Academic dishonesty includes failure to do your **own** work on any assignment (not just exams)! University policies, regulations, and standards of conduct can be found at:

[http://www.ucsd.edu/current-students/\\_organizations/academic-integrity-office/](http://www.ucsd.edu/current-students/_organizations/academic-integrity-office/)

### **SIO 152 Schedule (subject to change, as necessary)**

	<b>Lecture</b>	<b>Lab</b>
Week 1 M W	Intro to Sedimentary Rocks Sedimentary Rocks	Sedimentary rocks lab Sedimentary rocks lab
Week 2 M W	Sedimentary Rocks Sedimentary Rocks	Sedimentary rocks lab Sedimentary rocks lab
Week 3 M W	Intro to Igneous Rocks Melting and Crystallization	Mantle rocks lab Mantle rocks lab
Week 4 M W	Phase Diagrams 1 Phase Diagrams 2	Mantle rocks lab Intrusive igneous lab
Week 5 M W	Intrusive igneous rocks (8-10) Volcanism and extrusives (4)	Intrusive igneous lab Intrusive igneous lab
Week 5 M W	Igneous Environments 1 Igneous Environments 2	Extrusive igneous lab Extrusive igneous lab
Week 6 M W	Igneous Environments 3 <b>Mid-term examination</b>	Extrusive igneous lab <b>Mid-term examination</b>
Week 7 M W	Intro to Metamorphism Types of Metamorphism	Metamorphic Lab 1 Metamorphic Lab 1
Week 8 M W	Metamorphic minerals Isograds, facies and P-T relations	Metamorphic Lab 1 Metamorphic Lab 1
Week 9 M W	No class – Memorial Day Metamorphic Reactions	Metamorphic Lab 2 Metamorphic Lab 2
Week 10 M W	Metamorphism Overview of the Class	Metamorphic Lab 2 Metamorphic Lab 2
Week 11	Final Exam!	