

**GEO 347K Gems and Gem Minerals  
Lab Syllabus ---- Fall 2009**

Lab: **GEO 3.102**

Lab Hours/Sections: Mon. 11-1 (27150) Megan Franks  
Mon. 1-3 (27155) Megan Franks  
Tues; 2-4 (27165) Daniel Pinkston  
Wed. 1-3 (27160) Daniel Pinkston  
Wed. 3-5 (27175) Megan Franks  
Th. 2-4 (27170) Daniel Pinkston

Teaching Assistants: Office hours held in lab, Room 3.102. E-mail Teaching Assistants to schedule meeting time outside of office hours.

Megan Franks Room GEO 3.102  
E-mail: [meganfranks@mail.utexas.edu](mailto:meganfranks@mail.utexas.edu)  
Office hours: W Th 11-12

Daniel Pinkston Room Geo 3.102  
E-mail: [danielpinkston@mail.utexas.edu](mailto:danielpinkston@mail.utexas.edu)  
Office hours: T Th 12-1

Web Site: <http://www.geo.utexas.edu/courses/347K/>

Lab Policy: **Attendance is required.** Labs are due at the end of the lab period unless stated otherwise. Late labs will be penalized for each week late. The lab will only be open during the scheduled lab hours and T.A. office hours. Because of limited materials and space, you should attend the lab for which you are registered unless you make previous arrangements with Dr. Helper and your T.A.

Grading: **Lab Work is 35% of the overall course grade.**

|                       |                             |
|-----------------------|-----------------------------|
| Labs                  | 10%                         |
| Lab Midterm Exam      | 10%                         |
| <u>Lab Final Exam</u> | 15%                         |
| Lab Grade             | 35% of overall course grade |

**Lab Schedule** (subject to change at the professor and/or T.A.s' will)

| <u>Lab#</u> | <u>Week of:</u> | <u>Subject:</u>   |
|-------------|-----------------|---|
| 1           | Aug 31          | Physical Properties I   |
| 2           | Sept 7          | Physical Properties II/ Intro to Cab Lab (Rm 1.124)<br>(remember, no lab actually on Sept. 7 <sup>th</sup> , try to go to a different lab period this week) |
| 3           | Sept 14         | Quantifying Color, Crystal Systems and Symmetry I   |
| 4           | Sept 21         | Crystal Systems and Symmetry II   |
| *           | Sept 28         | <b>Midterm Exam</b>   |
| 5           | Oct 5           | Mineral Identification I - Optical Properties   |
| 6           | Oct 12          | Mineral Identification II - Optical Properties con't  |
| 7           | Oct 19          | Mineral Identification III - Fluorescence   |
| 8           | Oct 26          | Mineral Identification IV - Inclusions  |

\*Nov 2 – Nov 23 **Faceting Labs** (During this period there will be no assignments to turn in during lab. You should come and work on faceting/cabochon/final paper)

|   |        |            |
|---|--------|------------|
| * | Nov 23 | Lab Review |
| * | Nov 31 | Lab Final  |