

MAR 581L. Geological Oceanography Laboratory Syllabus

Date	Lab Number	Lab Topic	Instructions
12-Jan	Lab 01	Ocean geography.	Download exercise from the website. Due next week.
19-Jan	Lab 02	Rocks and Minerals - the CD.	Meet in class room, Building 1022. Assignment of Rocks and Minerals CD Exercise.
26-Jan	Lab 03	Rocks and Minerals, the real thing!	Meet in teaching lab, rm 103. CD exercise due. Mini-quiz at end of class.
2-Feb	Lab 04	The last of Rocks and Minerals.	Meet in teaching lab, rm 103.
9-Feb	Lab 05	Describe a Sedimentary Core. Take samples for physical properties and fossil analysis.	Quiz on Rocks and Minerals at start of class.
14-Feb	Lab 06	Calcium carbonate analysis.	Lab report due on core description.
23-Feb	Lab 07	Bulk physical properties of sediment; Interpretation of Seismic Profiles.	Lab report due on CaCO ₃ .
2-Mar	Lab 08	Grain size analysis: Sieve analysis of sand fraction.	Lab report due on bulk physical properties.
9-Mar		Grain size analysis: Pipette analysis of mud fraction.	Lab report due on sieve analysis.
16-Mar	Lab 09	<i>Spring Break.</i>	<i>No class</i>
23-Mar	Lab 10	Marine microfossils- diatoms, radiolarians, and calcareous nannofossils.	Pipette analysis: calculation of size classes - spreadsheet due.
30-Mar	Lab 11	Field trip: Boat trip to Pearl River marsh. Leave at 12 noon from SSC boat ramp.	Lab report due on combined results of pipette and sieve analyses.
6-Apr	Lab 12	Marine microfossils - Foraminifers.	Hand in micropaleo slide with identifications.
13-Apr	Lab 13	Marine Microfossils - from your core.	Make identifications in class.
20-Apr	Lab 14	Marine Microfossils - from your core.	Make identifications in class (cont.).
27-Apr	Lab 15	Marsh foraminifers - from field trip	Make identifications in class.
4-May		Summary and Review	Final lab report - Interpretation

22-Feb is the last day to drop full-term classes without academic penalty

No required text	Handouts available from the class FTP site, http://ocean.otr.usm.edu/~crunner/
Grades:	Quizzes (2 at 1% and 4% respectively), Exercises (2 at 5% each), Lab Reports (6 at 10% each), Micro. identifications (4 at 6% each), 1% for good behavior.
TA:	Charlotte Brunner; Office in Bld. 1020, Rm. 173; phone: 228-688-3402; email: charlotte.brunner@usm.edu .
Locale:	Meet in Teaching Lab, Building 1022, rm 103, or as syllabus indicates.
Time:	Wednesday, 12:30-3:30 p.m. Note hours of field trip tentatively scheduled on March 30.

Instructions for writing of laboratory reports can be found on the website. The reports demand elements fundamental to good scientific report writing, and the writing style as well as the content of the reports will be part of the grade.

All USM students are required to adhere to University standards of student conduct as detailed in the Student Handbook [<http://www.usm.edu/pubs/studenthandbook/>]. I recommend that students familiarize themselves with these policies and procedures, especially with regard to academic honesty and plagiarism, p. 75-86.

If a student has a disability that qualifies under the Americans with Disabilities Act and requires accommodations, he/she should contact the Office for Disability Accommodations (ODA) for information on appropriate policies and procedures; Box 8586; Tel: 266-5024; TTY: 266-6837; Fax: 266-6331.