GEOS 4534 Sedimentology and Stratigraphy Lab Syllabus

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Lab Class: 21A (3pm-4:50pm, BO 125).

The first labs will be held in week 2; there will be no lab in week 1.

LAB SCHEDULE

-Jan 24: Grain Size Analysis
-Jan 31: Siliciclastic Sedimentary Rocks I
-Feb 7: Siliciclastic Sedimentary Rocks II (Ternary Diagrams)
-Feb 14: Sedimentary Structures
-Feb 21: Carbonate Sedimentary Rocks I
-Feb 28: Carbonate Sedimentary Rocks II
-March 7: Midterm Lab Exam
-March 21: Chemical and Other Sedimentary Rocks
-April 4: Geologic Mapping and Interpretation
-April 11: Lithostratigraphy and Correlation
-April 18: Well-log Analysis and Correlation
-April 25: Sequence Stratigraphy
-May 2: Final Lab Exam

Grading: Lab grades (assignments + exams) are worth 30% of your total grade for GEOS 1234.

11 lab assignments @10 points = 110
2 lab exams @40 points = 190

The midterm exam will cover the first 6 labs, and the final exam will cover the last 6 labs of the course. Exams will consist of a series of questions on lab specimens set-up at individual stations.