

G205 – Historical Geology Syllabus

Week of August 30 Overview; The Future of San Diego; Rock Cycle.
Readings: Chapters 1 & 2.

Week of September 7 Plate Tectonics
Lab: Rocks & The Processes that form them.
Readings: Chapters 8 & 9.

Week of September 14 Actualism; Rock Units; Principles of Deposition;
Stratigraphic Order.
Lab: Deposition & Relative Order.
Readings: Chapter 6

Week of September 21 Time-Scale; How we tell time.
Lab: Correlation

Week of September 28 Sedimentary Facies.
Lab: Biostratigraphy.
Readings: Chapter 5

Week of October 5 Sedimentary Facies continued.
Lab: Plate Boundaries & Motion.
Thursday, October 7: First Lecture Midterm

Week of October 12 Biosphere; Evolution.
Lab: Introduction to Paleontology.
Readings: Chapters 3 & 7.

Week of October 19 Climate; Circulation; Chemical Cycles.
Readings: Chapters 4 & 10.
Lab: **Field Trip to Torrey Pines Beach.**

Week of October 26 Proterozoic; Vendian.
Lab: Preservation & Taphonomy
Readings: Chapters 11 & 12.
Saturday, October 30: All-Day Field Trip to Marble Mountains.

Week of November 2 Lower Paleozoic; Cambrian Explosion
Lab: Interpretation of Depositional Systems
Readings: Chapters 13 & 14.

Week of November 9 **No Class or Lab.**

Week of November 16 Upper Paleozoic; Permian Extinction.

Lab: Paleontology II

Readings: Chapter 15

Thursday, November 20: Second Lecture Midterm.

Weekend of November 21-22: Joint Field Trip w/ G200 to Coyote Mountains.

Week of November 23 Mesozoic.

Lab: Project

Readings: Chapters 16 & 17.

Thursday, November 25: Thanksgiving (no class).

Week of November 30 Mass Extinction patterns; Cenozoic.

Lab: Project

Readings: Chapters 18 & 19.

Week of December 7 Patterns through Time; Integration of Earth Systems.

Lab: Project

Manuscript of Final Project due on Thursday, December 9.

Hand out Take-home Final on Thursday, December 9.

Thursday, December 16, at 11:00 am: Take-home Final Due

**Thursday, December 16, at 11:00 am: Discussion of Final Project
(participation is mandatory!)**