

## **GEOLOGY 2100 - Stratigraphy and Sedimentation**

Paul Heller (rm. 311A Geology Bldg. x2245 heller@uwyo.edu)  
<http://faculty.gg.uwyo.edu/heller/> Office Hours: 9:30-11 M, W, F  
T.A. – Josh Sigler (rm. 1032 Geology Bldg.)

Class Schedule: MWF 11:00 to 11:50 rm. Geology 209

Lab Schedule: Thurs. 1:10 to 3:00pm OR 3:10 to 5:00pm rm. 311F Geology Bldg.

BOOK: Boggs, S., Jr., 2006, Principles of Sedimentology and Stratigraphy: 4<sup>th</sup> ed., Prentice Hall, Englewood Cliffs, 662 pg, – Check at [www.addall.com](http://www.addall.com)

SYLLABUS	READ PAGES
Aug 28-Sept.1: Origin and composition of sediment	3-10
Sept 6-13: Sediment transport and deposition	33-43; 76-87
Sept 15-27: Depositional systems: Alluvial fans & Rivers	245-258
<b>Sept 29: TEST #1</b>	
Oct. 2-6: Deltas	289-297
Oct. 9-20: Shelf	334-345
Oct. 23: Deep basin	349-360
Oct. 25-27: Carbonates	366-372
<b>Oct 30: TEST #2</b>	
Nov 1-3: Origin of the time scale	
Nov 6: Nature of stratigraphy	399-406; 412-415
Nov 8: Code of Stratigraphic Nomenclature	417-421
Nov 10-13: Lithostratigraphy	421-431
Nov 15: Biostratigraphy	478-488
Nov 17: Chronostratigraphy	
Nov 20: Seismic stratigraphy	438-448
Nov. 22-24: <i>THANKSGIVING BREAK</i>	
Nov. 27-29: Sequence Stratigraphy & Sea level	451- 462
<b>Dec 1: TEST #3</b>	
Dec 4: Origin of oil and gas	
Dec 6-8: Plate tectonics	

**REQUIRED FIELD TRIP:** SUN., **Sept. 17** - Leave Geology Loading Dock **at 8 AM** bring lunch, water, suntan lotion, notebook, hat, rain gear?, will return c. 7 PM

**CLASS GRADE:** Three, in class, one hour tests = 10%, 15%, 20%  
*Comprehensive* Final Exam = 25%  
Lab Grade = 30%

**FINAL:** Monday, Dec. 11, 10:15 am - 12:15 pm

If you have a physical, learning, or psychological disability and require accommodations, please let me know as soon as possible. You will need to register with, and provide documentation of your disability to, University Disability Support Services (UDSS) in SEO, room 330, Knight Hall, 766-6189, TTY: 766-3073