

GLY4155

Geology of Florida

Instructor: Dr. Joseph Meert

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Office Hours: MWF 5th period or by appointment

Course Description: Principles of physical and historical geology as applied to the geology and mineral resources of Florida. Although physical and historical geology are prerequisites for this course, I will offer a brief review of both during the initial lectures.

Textbook: *The Geology of Florida* (Editors Randazzo and Jones).

Grading Policy: Grades will be determined on the basis of 3 exams, projects (in-class and out of class) and class participation. Exams are 20% each (3 x 20%=60%); Projects are 30% and class participation is 10%.

Course Outline (Lecture Dates)

August 2010

(T) August 24th: No Class

(R) August 26th: No Class

(T) August 31st: Syllabus, course overview, review physical geology

September 2010

(R) September 2: Review Physical Geology and Historical Geology

(T) September 7: Review of Physical and Historical Geology

(R) September 9: Finish Review of P&H

(T) September 14: Geology, Geomorph & Physiography Florida (Chap 1)

(R) September 16: lecture TBA

(T) September 21: lecture TBA

(R) September 23: Florida Basement Geology and Pre-Mesozoic History (Chap 2)

(T) September 28: Exam #1

(R) September 30 Florida Basement (continued and Pre-Mesozoic) (Chap 3)

October 2010

(T) October 5: Florida Basement Finish up

(R) October 7: Sedimentary Platform of Florida (Chap 4)

(T) October 12: Sedimentary Platform of Florida finish up

(R) October 14: Miocene to Holocene of Florida (Chap 5)

October 2010 (cont)

- (T) October 19: Marine Invertebrates (Chap 7)
- (R) October 21: Fossil Mammals (Chap 8)
- (T) October 26: FLMNH Visit Class will meet at the museum
- (R) October 28: Exam 2
- (R) October 29: Geology of Florida Coast (Chap 10)

November 2010**(T) November 2: No Class Geological Society of America Meeting**

- (R) November 5: Geology of Florida Coast (Chap 10)
- (T) November 9: Evolution of Florida Platform (Chap 11)
- (R) November 11: Hydrogeology of Florida (Chap 6)
- (T) November 16: Field Trip to Hydrologic sites in Alachua County
- (R) November 18: Environmental Geology of Florida (Chap 13)
- (T) November 23: Phosphorites and Industrial Minerals (Chap 9 & 12)
- (R) November 25: No Class-Thanksgiving Holiday
- (T) November 30: Exam 3- End of Course

Class Attendance Policy: Class participation and in class projects make up 40% of your grade and therefore class attendance is considered mandatory. Attendance will be spot checked on days when projects are due in class.

Make Up/Missed Work: Any missed exams, projects or other assignments can be made up only with a confirmed note for illness (doctor letter or hospital letter) or due to sports/other University required endeavor (must pre-arrange this with instructor).

Students w/Disabilities: Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation

Honor Code/Class Demeanor: You are expected to abide by the student honor code available at <http://www.dso.ufl.edu/sccr/honorcode.php> . Students are expected to turn off cell phones and laptop computers during class.