

GEO 102.101 - LANDSCAPE PROCESSES AND PATTERNS
SPRING SEMESTER 2006

In **GEO 102** students examine the physical make-up of planet Earth, and the continuing processes which have sculptured its surface. An in-depth study of cartographic techniques which are used to illustrate the distribution and analysis of phenomena on the Earth's surface. An emphasis is placed upon aggradational and degradational forces which sculpture the Earth's surface. In Lab, students develop geographic skills including map reading, formulation of geographic questions, and analysis of spatial data. Because this class provides students with an understanding of the natural environment in which they live and applies that knowledge to problems they are likely to encounter in their lives, the physical geography sequence is a good choice for fulfilling the natural science requirement for non-science majors.

Text - *Physical Geography*, Eighth Edition, Tom L. McKnight and Darrel Hess, Prentice Hall, N.J. 07458.

Subject Matter (approximate)

(There will be four evaluation exercises, including the final.)

Week 1 - Introduction to Physical Geography – Spatial Distributions

Week 2 - Plate Tectonics and the Earth's Interior

Week 3 - Rocks

Week 4 - Volcanoes

Week 5 - Earthquakes, Solid Tectonics

Week 6 - Weathering, Mass Wasting

Week 7 - Running Water

Week 8 - Stream Erosion, Deposition

Week 9 - Karst/Groundwater

Week 10- Glaciers

Week 11- More Glaciers

Week 12- Wind

Week 13- Wave Action

Week 14- Coastal Landscapes

Week 15- Physiographic Regions

Week 16- Review

FINAL EXAM

****IMPORTANT WEB SITES:** www.usgs.gov, <http://earthshots.usgs.gov>, and www.nps.gov.

Grading Policy:

	A - 100 to 90
20% - Test 1	B - 89 to 80
25% - Test 2	C - 79 to 70
25% - Test 3	D - 69 to 60
25% - Final Exam (non-comprehensive)	F - 59 and below
5% - Random Attendance will be taken	

Although not totally comprehensive, each exam includes concepts taken from previous material covered in class. There are several reference activities on the internet using data base information on global seismic activity, data from the American Association of Geographers, the United States Geologic Survey and the National Park Service.

In accordance with the Americans with Disabilities Act, students with bona fide disabilities will be afforded reasonable accommodation. The Office of Special Student Services will certify a disability and advise faculty members of reasonable accommodations. If you have a specific disability that qualifies you for academic accommodations, please notify me, Dr. Sebastian, and provide certification from Disability Services (Office of Special Student Services). The Office of Special Student Services is directed by Ms. Andrea Agnew and is located in the Student Center, room 270. The phone number is (251) 460-7212.

ATTENDANCE is important, as is **COMING TO CLASS ON TIME**. We must abide by the University's attendance policy which states that students are expected to attend all classes.

FREEDOM and **RESPONSIBILITY** - In this class you are free to express your opinions and to share your ideas. With that freedom comes the responsibility to do your best work, turn in assignments on time, and treat other class members with courtesy and respect.

If you have any questions regarding the subject matter of this class or problems regarding class lectures, please feel free to contact me immediately.

Dr. Glenn R. Sebastian
Department of Earth Sciences
LSCB 136
460-6381

I prefer e-mail correspondence, it is the most efficient. (gsebasti@jaguar1.usouthal.edu)

If you have questions regarding your lab exercises or lab assignments contact your lab instructor.

Spring Semester 2006 Office Hours – Monday through Friday – by appointment-please email for appointment time.

Final Exam Date, Time and Place -

GEO 102.101 – Monday, May 1, 2006 - 1:00 pm - 3:00 pm