

**SCIE 3303  
GEOLOGY, METEOROLOGY, OCEANOGRAPHY**

**Spring 2009**

Instructor: Dr. Cornelia Winguth

TuTh 12:30 – 1:50 p.m., Geosciences Room 100

Textbook: **Earth Science and the Environment**, Thompson and Turk, 2007 (4<sup>th</sup> Edition)

**Course Description:** Earth's systems (geosphere, atmosphere, hydrosphere, biosphere) and its interactions in the present and in the geologic past will be studied. Topics include rocks and minerals, plate tectonics, ocean and atmosphere characteristics.

**Office Hours:** Tu/Th 11 a.m.-12 p.m. or by appointment, Geosciences 222 or 240

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**Phone:** 817-272 0366

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**Syllabus**

<b>Session</b>	<b>Topic*</b>	<b>Textbook</b>
01/20	Introduction, Syllabus and Course Policies Earth Systems Minerals	Chapter 1 Chapter 2 (beg.)
01/22	Minerals (continued) Rocks	Chapter 2 (end) Chapter 3 (beg.)
01/27	Rocks (continued) Geologic Time	Chapter 3 (end) Chapter 4 (beg.)
01/29	Geologic Time (continued) Geologic Resources	Chapter 4 (end) Chapter 5 (beg.)
02/03	Geologic Resources (continued) Plate Tectonics	Chapter 5 (end) Chapter 6 (beg.)
02/05	Plate Tectonics (continued)	Chapter 6 (end)
02/10	<b>1<sup>st</sup> Exam (Chapters 1-6)</b>	

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\* Schedule of topics is tentative.

<b>Session</b>	<b>Topic*</b>	<b>Textbook</b>
02/12	Earthquakes and Earth's Structure	Chapter 7
02/17	Volcanoes and Plutons	Chapter 8
02/19	Mountains	Chapter 9
02/24	Weathering	Chapter 10
02/26	Fresh Water Systems	Chapter 11
03/03	<b>2<sup>nd</sup> Exam (Chapters 7-11)</b>	
03/05	Water Resources	Chapter 12
03/10	Glaciers and Ice Ages	Chapter 13 (beg.)
03/12	Glaciers and Ice Ages (continued)	Chapter 13 (end)
<b>03/17</b>	<b><i>Spring Break</i></b>	
<b>03/19</b>	<b><i>Spring Break</i></b>	
03/24	Deserts and Wind	Chapter 14
03/26	Ocean Basins	Chapter 15 (beg.)
03/31	Ocean Basins (continued)	Chapter 15 (end)
04/02	Oceans and Coastlines	Chapter 16 (beg.)
<b><i>04/03 Last Day to Drop Courses</i></b>		
04/07	Oceans and Coastlines (continued)	Chapter 16 (end)
04/09	<b>3<sup>rd</sup> Exam (Chapters 12-16)</b>	
04/14	Atmosphere	Chapter 17
04/16	Energy Balance in the Atmosphere	Chapter 18

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<b>Session</b>	<b>Topic*</b>	<b>Textbook</b>
04/21	Moisture, Clouds, Weather	Chapter 19 (beg.)
04/23	Moisture, Clouds, Weather (continued)	Chapter 19 (end)
04/28	Climate	Chapter 20
04/30	Climate Change	Chapter 21
05/05	Review	
05/07	Review	

**Final Exam on 05/14/09, 11:00 a.m. – 1:30 p.m., Geosciences Room 100, Chapters 1-21**

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## **Policies**

### **Exams:**

Exams will be mostly multiple choice and “fill-in-the-blank” questions, but may also contain some short-answer questions.

Exams must be taken at the scheduled time. No early exams. Make-up exams only in cases of illness or family emergency. A note from the University disciplinary officer or doctor may be required in these cases. Make-up exams will be different from scheduled exams, they may be essay exams. It is therefore beneficial to take exams at their scheduled time. Students who do not take an exam receive zero points as a grade on that exam.

### **Grading:**

Grades are assigned on the basis of a 100 point scale.

Grading: 1<sup>st</sup> Exam 22 points, 2<sup>nd</sup> Exam 22 points, 3<sup>rd</sup> Exam 22 points, Final Exam 34 points  
Students enrolling in a course with the intention of replacing a previous grade earned in the same course must declare their intention to do so at the Office of Records (Registrar) by the Census Date.

Grades will not be released over the phone or by email. Grades must be either obtained in person or from the online database.

### **Attendance:**

Attendance is required and may be taken occasionally. Lack of attendance may influence the final grade.

### **Students with Disabilities (*Americans With Disabilities Act*):**

Students with disabilities should consult with me at the beginning of the semester for appropriate accommodation.

### **Academic Integrity:**

Academic dishonesty will not be tolerated in any form and will be disciplined in accordance with University regulations and procedures.

### **Student Support Services:**

The University supports a variety of student success programs. They include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.