

AGLY 201: Integrated Earth Science --- Tentative Syllabus
4 credit hours; Summer II, 2007.

Instructor: Karin L. Willoughby, room 207 Sciences;

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Office Hours: Mon. – Thur. before and after class, daily; earlier than 8:40 am by appt.

Time: Mon. – Thur. 9:00 am to 1:00 pm, SCB room 216.

Texts: Earth Science Today by Murphy and Nance; Integrated Earth Sciences

This course explores a holistic view of the earth. The atmosphere, lithosphere (solid earth), hydrosphere (oceans, surface fresh water and groundwater) and the solar system will be studied as specialized systems with identifiable internal compositions, natural processes and behavior patterns. The interactions among these systems and the biosphere are also investigated. Examples of such interactions include tides, waves, weather, climate, global change, plate tectonics and energy resources.

Students are expected to acquire and demonstrate knowledge about what these systems are, how they work and interact; and build individual ability to understand the implications of earth systems' effects on the future of earth and human beings.

Grading: Lecture -- 75% of class grade

Maximum possible points: 360 points (120 pts. each) on 3 exams
120 points on in-class/take home questions
120 pts. Final exam
100 pts. Semester project
30 pts. Oral presentation
20 pts. Class participation and attendance
750 pts. Subtotal

Laboratory -- 25% of class grade*

Maximum possible points: 130 pts. on 10 lab reports (13 points each)
120 pts. (60 pts. each) on 2 quizzes
250 pts. Subtotal

Total possible points = 1000; Course grade will be based on: 900 or more points = A.
800 - 899.9 pts. = B. 700 - 799.9 pts. = C. 600 - 699.9 pts. = D Below 600 pts. = F.

* NOTE: Laboratory must be passed in order to pass course.

If you have a physical, psychological, and/or learning disability which might affect your performance in this class, please contact the Office of Disability Services 126A, B&E, (803)641-3609, as soon as possible. The Disability Services Office will determine appropriate accommodations based on medical documentation.

Tentative Schedule	Reading Assignment
	Text Chapter
July 9 Introduction to course; Semester Project; Minerals; start Minerals lab	1, 2
July 10 Minerals cont'd; Rocks; Select semester project assignment**; continue Minerals lab	
July 11 Geologic Time and the Earth; Minerals & Rocks labs	3
July 12 9 am - Meet at Library; Time cont'd; Geologic Time lab; rock labs	

July 16	1st EXAM (Ch. 1- 3); WORK ON PROJECT	
July 17	Plate Tectonics; complete minerals & rocks labs; Mountains and Volcanoes	4, 5, 6
July 18	The Earth's Interior; Earthquake lab	7
July 19	WORK ON PROJECT	
July 23	Oceans; Oceans lab; practice rocks and minerals	8, 9
July 24	2nd EXAM (Ch 4 - 7); Atmosphere and Atmospheric Circulation	11, 12
July 25	Atmospheric Circulation cont'd; Lab Quiz #1 (Minerals & Rocks ID)	
July 26	1st weather lab; Atmospheric circulation cont'd	
July 30	Fresh Water; 2nd weather lab	10
July 31	History the Earth; 3rd EXAM (Ch. 8, 9, 11, 12)	13, 14
Aug. 1	History of the Earth cont'd; Lab Quiz #2 (weather)	
Aug. 2	Presentations and Projects Due	
Aug. 6	Planets; Sun and Stars; Planets lab; Planetarium	15, 16
Aug. 7	Sun and Stars; Sun and Moon lab; Summary and Review	
Aug. 8	FINAL EXAM (8-11 am) (2/3rds on Ch. 10, 13, 14, 15, 16 and 1/3rd review of previous chapters)	

** The student project and oral presentation requires thorough research on a selected topic. The project is a notebook containing several written and visual products. The presentations and notebook are DUE August 2. The oral presentation must be about 8-10 minutes long and discuss in detail one or more facets of the major research topic. Neither Wikipedia.com nor Genesis.org may be used as primary references.

Punctual and regular attendance is essential for full participation in class. The instructor reserves the right to give an automatic "F" to any student that misses 15% or more lectures. There will be no instructor directed make-ups available for missed labs. The student is responsible for obtaining notes to missed material. Make-up lecture exams or lab quizzes will be given only for emergencies considered acceptable to the University (death of close relative, religious holiday, jury duty, illness with Dr.'s excuse) and approved by the instructor. Only documented excuses will be considered for approval. **The student is still responsible for missed material, even with excuse.**

The USCA Student Handbook provides that students are NOT allowed to use or even turn on cell phones in class. This includes use as a clock. In this class, an exception will be made for the exclusive use of cell phones as calculators. Students who need to use a cell phone must leave the classroom and then turn on the cell phone. Any student who does not follow USCA's rules may be asked to leave class for the rest of that day.