

describe why Earth has seasons, describe the Earth's atmosphere, describe the greenhouse effect, describe albedo, be able to interpret temperature and precipitation data, describe Earth's temperature patterns, describe the Earth's atmospheric and oceanic circulations, describe the properties of water, be able to identify cloud types, describe air masses, be able to describe how extreme weather events are formed, describe the hydrologic cycle, be able to define the difference between climate and weather, be able to describe climatic zones, be able to understand the geologic cycle and plate tectonics, be able to describe how earthquakes and volcanoes work, understand basic geomorphology, describe fluvial processes, describe eolian processes, describe coastal landform processes, describe glacial landforms, understand soil characteristics, explain photosynthesis and respiration, define ecology, understand succession, describe the major terrestrial biomes and locate them on a map, define ecotone, define biome, understand the human relationship in the biosphere and realize your relation to Earth's system.

Structure of the course: The course is divided into four parts listed below. Following each part of the course.

Part I- The Atmosphere: Chapters 1-5
Part II-The Hydrosphere: Chapters 6-10
Part III-The Biosphere: Chapters 11-15
Part IV- The Lithosphere: Chapters 16-20

Questions of the Day (QODs): Lecture participation will be gauged in the form of "Questions of the Day." These exercises will be unannounced and based on previously covered course material. A "clicker" is not necessary for this course. The students will write their answers on ½ of a page of loose-leaf paper and turned in at the time of the QOD.

Assignments: There will be four assignments that will require "field work." The assignments will take the form of applying concepts learned in class to real-world observations.

Student Presentations - 'Current Topics': Students will work in groups of 2-3 and present a current topics presentation. This can be anything in the news that is related to geography, however, the event has to be current (please do not present a topic that is older than the past 6 months). Presentations are to be 10 minutes long with 2-3 minutes of questions or discussion. Presentations that go over 10 minutes will be docked 1 point per minute. I would like the student groups to introduce the topic of choice, give some background information on the topic and relate it to things we have discussed in class.

Class Policies: Participation is expected and will be reflected in your grade. Note: If you do not attend, you *cannot* receive participation points. Reading assignments are expected to be complete *BEFORE* class and quizzes cover the reading material. There are NO make up QODs. However, the two lowest scores will be dropped. There will be 4 in class exams. These cannot be made up unless the instructor is contacted *PRIOR to the absence*, and then only at the discretion of the instructor. If a make-up exam is offered, it may take

any form and must be taken at the University Testing Center where a fee will be imposed. Late assignments will not be taken. These rules of examinations are standard and set by the department and University policies. Academic misconduct will not be tolerated.

Penalties may include but are not limited to a grade reduction, failing grade, probation, suspension or dismissal from the program or the University, or revocation of the student's degree or certificate. Sanctions may also include community service, a written reprimand, and/or a written statement of misconduct that can be put into an appropriate record maintained for the purposes of the profession or discipline for which the student is preparing. Academic misconduct includes, but is not limited to, cheating, misrepresenting one's work, inappropriately collaborating, plagiarism, and fabrication or falsification of information. It also includes facilitating academic misconduct by intentionally helping or attempting to help another to commit an act of academic misconduct. See

"Cheating" involves the unauthorized possession or use of information, materials, notes, study aids, or other devices in any academic exercise, or the unauthorized communication with another person during such an exercise.

"Plagiarism" means the intentional unacknowledged use or incorporation of any other person's work in, or as a basis for, one's own work offered for academic consideration or credit for public presentation. Plagiarism includes, but is not limited to, representing as one's own, without attribution, any other individual's words, phrasing, ideas, sequence of ideas, information or any other mode or content of expression.

Students with Disabilities: Accommodations: The University of Utah does not discriminate on the basis of race, color, religion, national origin, sex, age, status as a disabled individual, sexual orientation, gender identity/expression, genetic information or protected veteran's status, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services.

Additionally, the University endeavors to provide reasonable accommodations and to ensure equal access to qualified persons with disabilities. Inquiries concerning perceived discrimination or requests for disability accommodations may be referred to the University's Title IX/ADA/Section 504 Coordinator:

Director, Office of Equal Opportunity and Affirmative Action
201 South Presidents Circle, Rm.135
Salt Lake City, UT, 84112
801-581-8365 (voice/tdd)
801-585-5746 (fax)
www.oeo.utah.edu

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made

available in alternative format with prior notification to the Center for Disability Services.

Content Statement

Some of the readings, lectures, films or presentations in this course may include material that may conflict with the core beliefs of some students. Please review the syllabus carefully to see if the course is one that you are committed to taking. If you have a concern, please discuss it with me at your earliest convenience. For more information, please consult the University of Utah's Accommodations Policy, which appears at: <http://regulations.utah.edu/academics/6-100.php>

Wellness Statement

Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student's ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness - www.wellness.utah.edu; 801-581-7776.

| Class | Lecture Topic | Chapters: to Read |
|--------------|--|--------------------------|
| M 08/22 | Syllabus | 1 |
| W 08/24 | Physical Geography: Earth Environments and Systems (Ch. 1) | 2 |
| M 08/29 | Representations of Earth (Ch. 2) | 3 |
| W 08/31 | Solar Energy (Ch. 3) | 4 |
| M 09/05 | LABOR DAY! | NO CLASS |
| W 09/07 | Earth's energy budget (Ch. 4) | 5 |
| M 09/12 | Atmospheric pressure, winds and circulation patterns (Ch. 5) | Review/Study Guide |
| W 09/14 | Review for Exam I | Review/Study Guide |
| M 09/19 | EXAM I (Ch. 1-5) | 6 |
| W 09/21 | Humidity, Condensation and precipitation (Ch. 6) | 7 |
| M 09/26 | Air masses and Weather systems (Ch. 7) | 8 |
| W 09/28 | Global Climates and Climate Change (Ch. 8) | 9 |
| M 10/03 | Low-Latitude and Arid Climate Regions (Ch.9) | 10 |
| W 10/05 | Middle- Latitude, Polar, and Highland Climate Regions (Ch. 10) | Review/Study Guide |
| M 10/10 | Fall Break!! Have fun! | NO CLASS |
| W 10/12 | Fall Break!! Have fun! | NO CLASS |
| M 10/17 | Review for Exam II | Review/Study Guide |
| W 10/19 | EXAM II (Ch. 6-10) | 11 |
| M 10/24 | Biogeography (Ch. 11) | 12 |
| W 10/26 | Soils and Soil development (Ch. 12) | 13 |
| M 10/31 | Earth Materials and Plate Tectonics (Ch. 13) | Review/Study Guide |
| W 11/02 | Tectonic and Volcanic Processes (Ch. 14) | 14 |
| M 11/07 | Weathering and Mass Wasting (Ch. 15) | 15 |
| W 11/09 | Review for Exam III | Review/Study Guide |
| M 11/14 | EXAM III (Ch. 11-15) | 16 |
| W 11/16 | Underground water and Karst Landforms (Ch. 16) | 17 |
| M 11/21 | Fluvial Processes and Landforms (Ch. 17) | 18 |
| W 11/23 | Arid Region Landforms and Eolian Processes (Ch. 18) | 19 |
| M 11/28 | Glacial Systems and Landforms (Ch. 19) | 20 |
| W 11/30 | Coastal Processes and Landforms (Ch. 20) | Review/Study Guide |
| M 12/05 | Review for Exam IV | |
| W 12/07 | EXAM IV (Ch. 16-20) | Last Class Meeting |