GEOG 1710
EARTH SCIENCE

Fall 2006

Course Description
This course covers the study of the Earth, its atmosphere, hydrosphere, and lithosphere as well as the biosphere. The first part consists mainly with weather and climate and the second part is mostly geology and landforms. Due to the wide range of Earth science topics, only selected chapters and partial chapters from the text will be covered.

Course Focus
The instructor will use lecture, discussion, demonstration, multimedia (including computers), and world-wide-web to familiarize students with the nature and properties of earth materials, geological processes and the development of landscapes. This course is designed for college level introductory Earth science students and is intended for geography majors and non-major students who have not had previous science courses.

Course Goals
By the end of this course, you will: comprehend the basic tenets of Earth science including features, processes, and interactions of the physical environment of the Earth.

Student Contributions
Each student should spend at least 6 hours per week preparing for class. Attendance is critical in this class. Each student is expected to attend class and participate in all class activities. Arriving late, leaving early, or talking during class is distracting and discourteous to your fellow students.
Academic Dishonesty

Cheating
The term "cheating" includes, but is not limited to:
- use of any unauthorized assistance in taking quizzes, tests, or examinations;
- dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
- the acquisition, without permission, of tests, notes or other academic material belonging to a faculty or staff member of the university;
- dual submission of a paper or project, or resubmission of a paper or project to a different class without express permission from the instructor(s); or
- any other act designed to give a student an unfair advantage.

Plagiarism
The term "plagiarism" includes, but is not limited to:
- the knowing or negligent use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment, and/or
- the knowing or negligent unacknowledged use of materials prepared by another person or by an agency engaged in the selling of term papers or other academic materials.

Students found guilty of any form of academic dishonesty, including but not limited to cheating, fabrication, facilitating academic dishonesty, plagiarism, and collusion may receive an F on the assignment and/or the course from the instructor and may be suspended from college by administrative action.

Religious Holidays
In accordance with State law, students absent due to the observance of a religious holiday may take examinations or complete assignments scheduled for the day missed within a reasonable time after the absence, at the discretion of the instructor. Students who will be absent from class for the observance of a religious holiday must notify the instructor by written document in advance.

Disability Accommodation
It is the policy of University of North Texas and this instructor to provide reasonable accommodations for qualified individuals who are students with disabilities. Students who qualify for accommodations are responsible for presenting to their instructor an Accommodation Request Form, which is generated on ODA letterhead and signed by a department official. This form verifies that the student has a disability and summarizes the recommended accommodations.
**Course Evaluation**

The course grade is determined by:
- lecture exams 60%
- lecture homework 10%
- laboratory 30%

100%

Note: There is **no extra credit**.

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**Required Textbook**

Christopherson, R.W. *Geosystems 6 ed.* Pearson Prentice Hall

[http://wps.prenhall.com/esm_christopherson_geosystems_6](http://wps.prenhall.com/esm_christopherson_geosystems_6)

**Tentative Course Schedule**

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<tr>
<th>Week</th>
<th>Topic</th>
<th>Text Assignment</th>
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<tr>
<td>1</td>
<td>Foundations of Geography</td>
<td>Chapter 1</td>
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<td>2</td>
<td>Atmosphere/Energy Balance</td>
<td>Chapters 2-4</td>
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<td>3</td>
<td>Atmospheric and Oceanic Circulation</td>
<td>Chapter 6</td>
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<td>Water and Atmospheric Moisture</td>
<td>EX1 Chapter 7</td>
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<td>4</td>
<td>Weather</td>
<td>Chapter 8</td>
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<tr>
<td>5</td>
<td>Weather</td>
<td>Chapter 8</td>
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<td>6</td>
<td>Water Resources/Climate</td>
<td>Chapter 9, 10</td>
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<td>7</td>
<td>Dynamic Planet</td>
<td>EX2 Chapter 11</td>
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<tr>
<td>8</td>
<td>Tectonics, Earthquakes, &amp; Volcanism</td>
<td>Chapter 12</td>
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<tr>
<td>9</td>
<td>Tectonics, Earthquakes, &amp; Volcanism</td>
<td>Chapter 12</td>
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<td>10</td>
<td>Weathering, Karst Landscapes, and Mass Movement</td>
<td>Chapter 13</td>
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<td>11</td>
<td>River Systems and Landforms</td>
<td>EX3 Chapter 14</td>
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<td>11</td>
<td>Eolian Processes and Arid Landscapes</td>
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<td>Shorelines and Shoreline Processes</td>
<td>Chapter 16</td>
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<td>13</td>
<td>Geography of Soils</td>
<td>Thanksgiving</td>
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<td>14</td>
<td>Ecosystems and Biomes</td>
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<td>15</td>
<td>Flora and Fauna</td>
<td>Chapter 19, 20</td>
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<td>16</td>
<td>Final Exams</td>
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**Note:** The instructor reserves the right to change any information contained in this document, when necessary, with adequate notice provided to the student.
You must pass the lab to pass the course.

All electronic devices, including cell phones, should be set to the silent setting during class or lab.

Scantron(s) will be provided for all exams, and under NO circumstances will corrections be made for incorrect erasure marks or intentional/unintentional blanks.

This is a very tentative schedule. Expect changes.

There is NOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO extra credit
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Revised 08-22-06