EAS 201 - EARTH SCIENCE I - FALL TERM 2008

Instructor Dr. Clark, Room 1-01B ESB, Ph. 492-3266
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Lectures A1 MWF 1000 - 1050 TL 12

Marks
25% Mid-term 1, **Monday, October 6**
(Lectures up to and including Igneous Rocks)
25% Mid-term 2, **Wednesday, November 5**
(Lectures starting with Weathering, up to and including Sea Ice and Permafrost)
50% Final Exam, **Wednesday, December 10, 0900-1100**
(Cumulative, emphasis starts with Atmosphere)

*** Deferred Final Exam scheduled for Saturday, Jan. 10, 2009, 1000-1200 ***

Text The Blue Planet, by Skinner, Porter, and Botkin, 2nd Edition, published by Wiley.

Schedule of Topics (Week of…) and **Relevant Readings**

Sept. 3 Introduction (Ch. 1); Scientific method; Systems

8 Earth & Solar System (Ch. 2); Geologic Time (Ch. 8)

15 Earthquakes (Ch. 5); Plate tectonics (Ch. 4)

22 Minerals (Ch. 6); Rocks and the Rock Cycle (Ch. 6-8)

29 Rocks and the Rock Cycle (cont.)

Oct. 6 **Mid-term 1 (Monday, October 6)**;
Hydrologic Cycle; Groundwater (Ch. 9)

13 **Thanksgiving Holiday Mon. Oct. 13;** Rivers (Ch. 9)

20 Lakes (Ch. 9); Oceans (Ch. 11)

27 Glaciers (Ch. 10)

Nov. 3 Atmosphere (Ch. 12); **Mid-term 2 (Wednesday, Nov. 5)**;
Winds and Storms (Ch. 13)

10 **Fall Term Class Break Monday November 10;**
Deserts (Ch. 13); Climate change (Ch. 14)

17 Biosphere (Ch. 15); The Biosphere: Change (Ch. 17)

24 The Biosphere: Its impact (Ch. 20)

Dec. 1 Resources (Ch. 18)

Grading Criteria: Grades will be assigned neither with predetermined absolute numerical cut-offs, nor with slavish adherence to a curve or so-called historical distribution. The historical distribution is used only as a rough guide to what the distribution of marks could look like, but an exceptionally talented class that performs well will be rewarded with higher grades than “normal”; conversely, an underachieving class will not be propped up by the curve, but will bear the consequences.

Access To Instructor: Anytime you can find me in my office with the door open. I do not keep set office hours, so feel free to drop by. If you wish to ensure that I will be there, arrange a meeting ahead of time, either by phone or e-mail.

Course Objectives and General Content: To introduce you to the Earth as an integrated set of systems, emphasizing the topics indicated on the outline, and to provide a foundation for future studies in the Department of Earth and Atmospheric Sciences.

Necessary Statements: Policy about course outlines can be found in Section 23.4(2) of the University Calendar. The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at “the usual.ca/secretariat/appeals.htm”) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.