

**University of Alberta
Environment Earth
EAS 205 – Section A1 - Syllabus Fall 2016**

Instructor: Dr. Martyn Unsworth (unsworth@ualberta.ca)
Office: CCIS 3-102
Office Hours: Wednesday 1-3 pm
 or e-mail for an appointment
Lecture Room and Time: SAB 326 14:00-15:20 Tuesday + Thursday

Course Description:

General introduction to interactions between people and their natural environment, with an emphasis on geological processes. Topics Include: earthquakes, volcanoes, streams and flooding, mass wasting, coastal processes and shoreline development, soil degradation and erosion, surface water and groundwater resources, air and water pollution and global change.

Course prerequisites Any 100-level Science course

Website <http://www.ualberta.ca/~unsworth/UA-classes/EAS105/EAS205index.html>

Required Textbook:

Montgomery, C., Environmental Geology, 10th Edition , Available at the University Bookstore, Used, older editions are fine. <http://www.mhhe.com/montgomery10e>

(1) LECTURE SCHEDULE AND ASSIGNED READING

	Week beginning	Topic	Chapters to read
1	Sept 1	Introduction	1, App A
2	Sept 5	Rocks and Minerals, Plate Tectonics	2,3, App B
3	Sept 12	Earthquakes	4
4	Sept 19	Volcanism	5
5	Sept 26	Floods	6 and 505ff
6	October 3	Review and mid-term 1	
7	October 10	Coastal Hazards	7
8	October 17	Landslides and ground subsidence	8
9	October 24	Water resources and pollution	11 and 17
10	October 31	Soils	12
11	November 7	Reading Week	22
12	November 14	Mid-term 2	23
13	November 21	Waste disposal, Carbon capture and storage	16
14	November 28	Global Climate Change	10, 18
15	December 5	Global Climate Change	10,18

This schedule is tentative and may be changed.

2. EXAMINATIONS AND GRADING

Registration: Make sure you are properly registered. If your name appears on the official class list, you are properly registered. If not, make sure you correct that before the deadline at the Faculty of Science office (CCIS 1-001). You will NOT get credit for the course unless you are properly registered.

The class lists distributed to the instructors contain only your University of Alberta e-mail address. Messages will be sent only to that e-mail address. Make sure to check this address, or forward messages to your other e-mail address.

Grading Evaluation: All examinations in this course will be given a numerical score. A cumulative course mark will be calculated from those scores, weighted as tabulated above. A final letter grade will be assigned based upon your cumulative mark and my analysis of the class's cumulative mark distribution. Where possible, natural breaks in the cumulative mark distribution will be used in assigning grades, but no pre-determined distribution of grades will be imposed on the class. Your grade will reflect a combination of your absolute achievement and relative standing in the class. In past years, the mean grade in this course has been in the B range. The mean grade this year will be based on my judgment of the overall caliber of this class relative to past cohorts. **Be aware, that a total score of 50% or more in the course as a whole will not ensure a passing grade.** If said score exceeds 50% by virtue of the term work only, whereas lecture final exam results indicate an inability to master the course content to any significant degree, the student may be assigned a failing grade. This **will** occur for anyone whose final exam score is less than 50%, or such other circumstances that may suggest that a passing grade is inappropriate.

First mid-term exam	25%	Thursday, October 6 2016, 2:00 pm in class
Second mid-term exam	25%	Thursday, November 17, 2016, 2:00 pm in class
Final exam	50%	Monday, December 12 2016, 2:00 pm
		<i>Please check Bear Tracks</i>
Deferred final exam		Saturday, January 21 2017, 10:00 – 13:00

Representative Evaluative Materials

Examples of past exams will be posted on eClass.

Format of Exams: Exams may contain multiple choice, short answers, true or false, fill in the blank, and/or diagram description. Exams may contain any or all of the previously stated formats.

Missed midterm exam: A student who cannot write a midterm exam due to compelling reasons, is required to complete a Statutory Declaration at the Student Services Office in the Faculty of Science, and present the paperwork to the professor.

A missed midterm exam with a Statutory Declaration will have the weight of the midterm exam rolled into the final exam. In this case, the final exam will count for 75% of the total course grade. Deferral of the midterm exam is a privilege and not a right.

Misrepresentation of Facts to gain a deferral is a serious breach of the *Code of Student Behaviour*.

Deferred final exam policy: A student who cannot write the final examination due to incapacitating illness or other compelling reasons can apply for a deferred final examination. Such an application must be made to the student's Faculty office within 48 hours of the missed examination and must be supported by a Statutory Declaration or other appropriate documentation (Calendar section 23.5.6). Deferred examinations are a privilege and not a right; there is no guarantee that a deferred examination will be granted. The deferred final examination is scheduled for Saturday, 21 January 2017, starting at 10 am.

Misrepresentation of facts to gain a deferred examination is a serious breach of the *Code of Student Behaviour*.

Re-examination: A student who writes the final examination and fails the course may apply for a re-examination. Re-examinations are rarely granted in the Faculty of Science. These exams are governed by University (Calendar section 23.5.5) and Faculty of Science Regulations (Calendar section 192.5.9).

Misrepresentation of Facts to gain a re-examination is a serious breach of the *Code of Student Behaviour*.

3. STUDENT RESPONSIBILITIES

ACADEMIC INTEGRITY: "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 <http://www.governance.ualberta.ca/en/CodesofConductandResidenceCommunityStandards/CodeofStudentBehaviour.aspx>) 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."

All forms of dishonesty are unacceptable at the University. Any offence will be reported to the Senior Associate Dean of Science who will determine the disciplinary action to be taken.

Cheating, plagiarism and misrepresentation of facts are serious offences. Anyone who engages in these practices will receive **at minimum** a grade of zero for the exam, lab exercise or paper in question and no opportunity will be given to replace the grade or redistribute the weights. As well, in the Faculty of Science the sanction for **cheating** on any examination will include **a disciplinary failing grade** (no exceptions) and senior students should expect a period of suspension or expulsion from the Univ. of Alberta.

EXAMS: Your student photo I.D. is required at exams to verify your identity. Students will not be allowed to begin an examination after it has been in progress for 30 minutes. Students must remain in the exam room until at least 30 minutes has elapsed. Electronic equipment cannot be brought into examination rooms.

CELL PHONES: Cell phones are to be turned off during lectures and labs. Cell phones are not to be brought to exams.

STUDENTS ELIGIBLE FOR ACCESSIBILITY-RELATED ACCOMMODATIONS (students registered with Specialized Support & Disability Services - SSDS): Eligible students have both rights and responsibilities with regard to accessibility-related accommodations. Consequently, scheduling exam accommodations in accordance with SSDS deadlines and procedures is essential. Please note adherence to procedures and deadlines is required for U of A to provide accommodations. Contact SSDS (www.ssd.s.ualberta.ca) for further information.

ACADEMIC SUPPORT CENTRE: Students who require additional help in developing strategies for better time management, study skills or examination skills should contact the Student Success Centre (2-300 Students' Union Building).

Disclaimer: Any typographical errors in this Course Outline are subject to change and will be announced in class. The date of the final examination is set by the Registrar and takes precedence over the final examination date reported in this syllabus.

Note: Recording is permitted only with the prior written consent of the professor or if recording is part of an approved accommodation plan.