



A M B R O S E

GEO 109 Introduction to Geology (Winter 2010)

Course Description

Basic concepts regarding the major features of Earth; its rock and mineral composition, processes controlling erosion, transportation, deposition, distribution of sediments and rocks and associated landforms; formation of mountains, ocean basins and continents; internal structures of Earth and plate tectonics.

Class Schedules

time: Tuesdays, 6:30 – 9:30 PM

Instructor Information

INSTRUCTOR:	Mr. Mark Hendriks
OFFICE HOURS:	by appointment (before or after class)
EMAIL ADDRESS:	markhendriks@shaw.ca
OFFICE:	

Textbooks

Reed Wicander & James S. Monroe Essentials of Physical Geology. 5th Edition 528pp 2009

Available at the bookstore in hardcopy or online version @ www.coursesmart.com (enter title of text to search)

Course Outline

January	05	Introduction to the Earth and Geology
	12	Plate Tectonics
	19	Minerals/Igneous Rocks and Processes
	26	Igneous Rock and Processes (cont.)
February	02	Sedimentary Rocks and Processes
	09	Metamorphic Rocks and Processes
	16-20	Mid Term Break
	23	Mid Term Exam
March	02	Geologic Time and Dating
	09	Faults, Folds and Mountains
	16	Coastal Processes
	23	Movie night : "Volcanoes of the Deep Sea" "Journey Toward Creation"/"The Great Debate"
	30	Streams and Flooding/Mass Movement

April 06 Glaciers (**papers due in class this day**)
14 **Final Exam Geology 109 Room 2141 6:30-9:30 PM**

Class Notes

General class notes for the course are available online through the Ambrose Moodle site. For help on how to access these note files please see the computer helpdesk. Online notes are **generally** complete but need to be augmented in class by students. Print online notes and bring them to the lecture that day.

Moodle site: <http://moodle.ambrose.edu/login/index.php>

Moodle enrollment key: **GEO109**

Examinations

Two exams will be given to the class, a mid-term exam and a final exam

The mid-term exam will consist of +/- 60 multiple choice and some fill-in-the-blank questions and the final will consist of seventy +/- 70 multiple choice questions. The final exam will address mostly new material (~90%) since the mid-term.

A one page note sheet (8.5 x 11 inches, hand written, one side, original – no photocopies) may be prepared to be used by the student during both the midterm and final examination. The note sheet **must** be handed in with the examination.

Paper

A paper covering a geological topic will be required of each student. This paper will be due last day of class prior to term end. The paper will lend itself to philosophy of science causing students to think about certain aspects of geological science as they relate to the interpretation of Scripture.

Grading Schedule

Mid-term exam	40%
Paper	20%
Final exam	40%

Final Grade Equivalent

<u>Letter Grade</u>	<u>Mark</u>	<u>Description</u>
A+	96-100	
A	91-95	Excellent
A-	86-90	
B+	82-85	
B	75-81	Good
B-	72-74	
C+	68-71	
C	63-67	Satisfactory

C-	60-62	
D+	56-59	
D	50-55	Minimal Pass
F	0-49	Failure

Important Notes/Dates

The last day to enter a course without permission and/or voluntary withdrawal from a course without financial penalty is Friday, January 15.

The last day to voluntarily withdraw from a course or change to audit without academic penalty is Friday, March 12.

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Student Handbook and Academic Calendar. Personal information, that is information about an individual that may be used to identify that individual, may be collected as a requirement as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at privacy@ambrose.edu.

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a "Course Extension" from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the appropriate deadline (as listed in the Academic Calendar <http://www.ambrose.edu/publications/academiccalendar>). Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar and the Student Handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean.

Students are advised to retain this syllabus for their records.

Course changes, including adding or dropping a course, may be made during the Registration Revision period, as outlined in the Calendar of Events. All course changes must be recorded on a Registration form, available from the Office of the Registrar. Due to circumstances such as class size, prerequisites or academic policy, the submission of a Registration form does not guarantee that a course will be added or removed from a student's registration. Students may change the designation of any class from credit to audit up to the date specified in the Calendar of Events, although students are not entitled to a tuition adjustment or refund after the Registration Revision period.

Withdrawal from courses after the Registration Revision period will not be eligible for tuition refund. Students intending to withdraw from some or all of their courses must submit a completed Registration form to the Registrar's office. The dates by which students may voluntarily withdraw from a course without penalty are listed in the Calendar of Events. A grade of 'W' will be recorded on the student's transcript for any withdrawals from courses made after the end of the Registration Revision period and before the Withdrawal Deadline (also listed in the Calendar of Events). 'W' grades are not included in grade point average calculations. A limit on the number of courses from which Academic a student is permitted to withdraw may be imposed. Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Office of the Registrar in writing within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal to review final grades. If the appeal is sustained, the fee will be refunded.

Academic dishonesty is taken seriously at Ambrose University College as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to give credit to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from Ambrose. Students are expected to be familiar with the policy statements in the current academic calendar and the student handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.