

UNIVERSITY OF CALGARY
DEPARTMENT OF GEOSCIENCE
COURSE OUTLINE

1. Course: GEOLOGY 209 – INTRODUCTION TO GEOLOGY I

Lecture Sections:	L01	MWF	12:00-12:50	MFH 162	WINTER 2014
	L02	TR	15:30-16:45	ST 140	

Instructor(s):	L02 – Dr. A.R Hildebrand	ES 760A	220-2291	ahildebr@ucalgary.ca
	L01 – Dr. M. Georgescu	ES 112	210-7759	dgeorge@ucalgary.ca

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Geoscience Department ES 118; (403) 220-5841; geoscience.ucalgary.ca

2. PREREQUISITE: None

ANTIREQUISITE: Credit for both Geology 209 and 201 will not be allowed.

NOTE: Not open for credit to Honours, Majors or Minors in Geology, Geology (Petroleum Geology Concentration), Applied and Environmental Geology, Geophysics, Environmental Science (Geology Concentration) or Natural Sciences (Geosciences Concentration).

See section 3.5.C in the Faculty of Science section of the online Calendar (<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>)

3. **GRADING:** The University policy on grading and related matters is described in “Academic Regulations, sections F.1 and F.2” of the online University Calendar (<http://www.ucalgary.ca/pubs/calendar/current/f-1.html> and <http://www.ucalgary.ca/pubs/calendar/current/f-2.html>) In determining the overall grade in the course the following weights will be used:

First midterm	25% (Feb. 6)
Second midterm	30% (March 18)
Final Examination	45% (To be scheduled by the Registrar)

Each piece of work (assignment, laboratory report, midterm test or final examination) submitted by the student will be assigned a percentage score. The student’s average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

4. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in section 3.6: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.

Department Approval: **ORIGINAL SIGNED** Date: **December 23 2013**

5. **EXAMINATION POLICY:** No electronic or written aids (eg. cell phones, tablets, computers, PDAs, notes, textbooks) will be allowed during writing of any exams. Non-programmable calculators will be permitted to answer quantitative questions on exams, if applicable, and permission to do this will be clearly indicated on the examination paper.

Students should also read the Calendar, Section G, on Examinations: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.

6. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **ACADEMIC MISCONDUCT** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) to inform yourself of definitions, processes and penalties
- (b) **ASSEMBLY POINTS in case of emergency during class time.** Be sure to **FAMILIARIZE YOURSELF with the information at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.**
- (c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links:
Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>
Student Accessibility Services: www.ucalgary.ca/access
- (d) **SAFEWALK:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call **220-5333** for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **FREEDOM OF INFORMATION AND PRIVACY:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, **students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page.** For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **STUDENT UNION INFORMATION:** VP Academic **Phone:** 220-3911 **Email:** suypaca@ucalgary.ca.
SU Faculty Rep. **Phone:** 220-3913 **Email:** sciencerep@su.ucalgary.ca Website <http://www.su.ucalgary.ca/home/contact.html>.
Student Ombudsman: www.ucalgary.ca/provost/students/ombuds; ombuds@ucalgary.ca 220-6420
- (g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.

UNIVERSITY OF CALGARY
DEPARTMENT OF GEOSCIENCE
COURSE OUTLINE

GEOLOGY 209
INTRODUCTION TO GEOLOGY

TERM: Winter 2014

PREREQUISITE(S): **None**

ANTIREQUISITE: Credit for both Geology 202 and 203 will not be allowed.

LECTURER(S): L02 – Dr. A.R Hildebrand ES 760A 220-2291 ahildebr@ucalgary.ca
L01 – Dr. M. Georgescu ES 112 210-7759 dgeorge@ucalgary.ca

LECTURES: L01 MWF 12:00-12:50 MFH 162
L02 TR 15:30-16:45 ST 140

TEXT: Required: Essentials of Geology, 4th edition by Stephen Marshak

MARK DISTRIBUTION: A. Composition of Final Grade

Midterm Examination	25%
Midterm Examination	30%
Final Examination*	45%

Students who are absent from a midterm because of illness or other unforeseen circumstances may be granted an excused absence by the Instructor upon presentation of adequate documentation (a completed Physician/Counsellor Report form <http://www.ucalgary.ca/registrar/PDFs/physcoun.pdf> for illness; equivalent documentation for other circumstances). There will be “make-up” examinations for excused absences.

B. Final Exam

The final examination will be scheduled by the Registrar's Office.

C. Grading Scheme

Letter Grade	Percent	Letter Grade	Percent
A+	95-100	C+	65-69.99
A	90-94.99	C	60-64.99
A-	85-89.99	C-	56-59.99
B+	80-84.99	D+	53-55.99
B	75-79.99	D	50-52.99
B-	70-74.99	F	0-49.99

Tentative Lecture Schedule

- January 9 – Course Introduction and Prelude
- 14 - Ch. 1, Earth in Context
- 16 - Ch. 2, Plate Tectonics
- 21 - Ch. 3, Minerals
- 23 - Ch. 4, Igneous Rocks
- 28 - Ch. 5, Volcanic Eruptions
- 30 - Ch. 6, Sedimentary Rocks
- February 4 - Ch. 7, Metamorphism
- 6 - First midterm
- 11 - Ch. 8, Earthquakes
- 13 Interlude, The Earth's Interior
- February 18 & 20 are Reading Week
- 25 - Ch. 9, Crustal Deformation
- 27 - Interlude, Fossils and Evolution
- March 4 - Ch. 10 Stratigraphy and Age Dating
- 6 - Ch. 11 Earth History
- 11 - Ch. 12 Resources
- 13 - Ch. 13 Mass Movements
- 18 - Second Midterm
- 20 - Ch. 14 Streams
- 25 - Ch. 15 Ocean
- 27 - Ch. 15 Hurricanes
- April 1 - Ch. 16 Groundwater
- 3 - Ch. 17 Deserts
- 8 - Ch. 18 Glaciers and Ice Ages
- 10 - Ch. 19 Earth Systems