



UNIVERSITY OF CALGARY

DEPARTMENT OF GEOSCIENCE COURSE OUTLINE WINTER 2016

1. Course: GLGY 209 (02), Introduction to Geology

Lecture Section:

L02: Tu, Thur, 3:30-4:45 p.m., MFH 162

Instructor:

Dr. M. Dan Georgescu, Office: ES 112, ph. (403) 210-7759, e-mail: dgeorge@ucalgary.ca, Office Hours: TuWed 2:00 – 3:00 PM

Course materials are posted on Desire 2 Learn (D2L). Geoscience Department ES 118, 403-220-5841, geoscience.ucalgary.ca, geoscience@ucalgary.ca

2. Prerequisites: N/A

Antirequisite: Credit for both Geology 201 and 209 will not be allowed. See section 3.5.C in the Faculty of Science section of the online Calendar (www.ucalgary.ca/pubs/calendar/current/sc-3-5.html).

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 (Geoscience Concentration).

3. Grading: The University policy on grading and related matters is described in sections [F.1](#) and [F.2](#) of the online University Calendar. In determining the overall grade in the course the following weights will be used:

First midterm	25% (to be scheduled in the first lecture)
Second midterm	30% (to be scheduled in the first lecture)
Final Examination	45% (To be scheduled by the Registrar)

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

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 (bearing in mind that grade F will be result if the student does not pass components listed above).

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](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also [Section E.6](#) of the University Calendar
5. **Scheduled out-of-class activities:** N/A
6. **Course Materials:** Mance, D., Murphy, B., 2016. Physical Geology Today; 1st edition. Oxford University Press, 752 p.
7. **Examination Policy:** No resources are allowed during midterms and final examination. Students should also read the Calendar, [Section G](#), on Examinations.
8. **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 [Section K](#). Student Misconduct 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 on [assembly points](#).
 - (c) **Student Accommodations:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf. Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Geoscience, Dr. E.S. Krebs by email krebs@ucalgary.ca or phone 403-220-5850.
 - (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: 403 220-3911 Email: suvpaca@ucalgary.ca.
SU Faculty Rep. Phone: 403 220-3913 Email: science1@su.ucalgary.ca, science2@su.ucalgary.ca and science3@su.ucalgary.ca; Student Ombuds Office: 403-220-6420 Email: ombuds@ucalgary.ca; <http://ucalgary.ca/provost/students/ombuds>.
 - (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. 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.
 - (h) **U.S.R.I.:** At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference – please participate in USRI Surveys.

Course major topics:

There are twelve modules in this course.

1. Science and scientific thinking	~ 3 hours
2. Earth formation: a cosmic perspective	~ 3 hours
3. Earth internal structure and chemical composition	~ 1 hour
4. Minerals: rock building materials	~ 3 hours
5. Igneous rocks	~ 1.5 hours
6. Sedimentary rocks	~ 1.5 hours
7. Metamorphic rocks	~ 1 hour
8. Fossils and fossilization	~ 2 hours
9. Elements of structural geology	~ 1 hour
10. Principles of Stratigraphy and geological time	~ 3 hours
11. Fossil record and evolution	~ 2 hours
12. Plate tectonics	~ 2 hours