



COURSE OUTLINE

1. Course: GLGY 699.65, Selected Topics in Geology - Spring 2019, Topic: Bahamas Geology

Lecture 01:

Instructor	Email	Phone	Office	Hours
Dr Benoit Beauchamp	bbeauch@ucalgary.ca	403 220-8266	ES 146	N/A

Advanced Modern Carbonate Sedimentology. This field-based course provides a unique opportunity for graduate students to further their knowledge of carbonate sedimentology in visiting a Caribbean island where carbonate sediments, including reefs, currently form and have accumulated in the recent Pleistocene past. Students will visit over a dozen on land or underwater sites on the Island of San Salvador where they will make observations on a large variety of carbonate environments that include an underground cave system, aeolian sand dunes, paleosols and caliches, an hypersaline lake with living stromatolites, storm deposits, a Pleistocene fossil reef, modern and ancient beach deposits, and a whole variety of underwater shelf, lagoonal, tidal inlet and living reefs environments, the later showing signs of stress due to mankind activities. The fascinating history of San Salvador will also be touched upon and renowned sites, such as Christopher Columbus' first landfall site in 1492 as well as an ill-fated cotton plantation with a shameful history of slavery, will be respectfully visited. The course will combine short morning lectures, morning and afternoon on land and/or underwater (snorkeling) activities, and evening laboratory observations to further the knowledge acquired during the day. A mapping project and a research project will complete the course's curriculum.

Course Site:

D2L: GLGY 699.65 L01-(Spring 2019)-Selected Topics in Geology

Note: Students must use their U of C account for all course correspondence.

2. Requisites:

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

Prerequisite(s):

Consent of the Department. MAY BE REPEATED FOR CREDIT

GLGY 381 Sedimentary Rocks and Process

GLGY 483 Carbonate Sedimentology

Physical requirements:

- To be reasonably fit
- To be a confident swimmer in open water
- To have passed the swimming test run by UofC's Aquatic Centre
- To have attended the two-day snorkeling initiation session run by UofC's Aquatic Centre

Material requirements:

- To provide your own snorkeling gear (minimum of mask, snorkel, fins)
- The Department of Geoscience will provide the snorkeling safety vest
- *N.B. Scuba diving equipment is not allowed on this field school*

3. Grading:

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

Component(s)	Weighting %	Date
Daily assignments (12 @ 3) (individual)	36	May 31 2019
Mapping Project and Report (group)	25	May 31 2019
Note-book (individual)	20	May 31 2019
Research project and presentation	19	May 31 2019

Grading components in this course include:

- 1) Twelve different areas will be visited on land and underwater on San Salvador Island over the first six days of the field school. Students will have to complete a specific assignment twice daily, one in the morning and one in the afternoon. Completion of the assignments will be done in the laboratory in the evening.
- 2) Over the last two days of the field school, students in groups of four will conduct a combined mapping project of a fossil reef on land and of the adjacent underwater area which displays modern reefs. In addition to producing a map, each team will produce a report comparing the state and health of modern reefs with that of Pleistocene reefs. The map and report will be due in Calgary no later than May 31 2019.
- 3) The quality and organization of note taking will be assessed through examination of each student's note-book during the course of the field school and after. The note-books will need to be handed to the Instructors or the Teaching assistant in Calgary no later than May 31 2019.
- 4) Prior to going to the field, the students will research one aspect of modern carbonate sedimentology which they will chose in consultation with the course's Instructor. The results of that research will be presented to the entire group of student in the field at a date to be determined prior to leaving for the field school. Grades will be given for the quality of the research effort and of the presentation to the group.

A student must complete all four components to receive a passing grade. The grade weights for the components are indicated above. Completion of all four components of the course is mandatory to obtain a passing grade. Individual elements of the course (as detailed above) 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 to determine the course letter grade. The conversion between course percentage grade and letter grade is given below.

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component 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.

The conversion between a percentage grade and letter grade is as follows.

	A+	A	A-	B+	B	B-	C+	C	C-	D+	D
Minimum % Required	92 %	86 %	82 %	77%	74%	71 %	67 %	62%	58%	54 %	50 %

This course has a registrar scheduled final exam.

4. Missed Components Of Term Work:

In the event that a student misses the midterm or any course work due to illness, supporting documentation, such as a medical note or a statutory declaration will be required (see [Section M.1](#); for more information regarding the use of statutory declaration/medical notes, see [FAQ](#)). Absences must be reported within 48 hrs.

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 themselves with these regulations. See also [Section E.3](#) of the University Calendar.

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. This is a field based course where most of the instruction takes place during field work. Completion of the field work components of the course is mandatory to obtain a passing grade.

5. Scheduled Out-of-Class Activities:

There are no scheduled out of class activities for this course.

This is a field based course where most of the instruction takes place off campus.

6. Course Materials:

There is no recommended textbook for this course. Students will have to follow discussions in the field as access the University of Calgary library, often for independent research. The instructor will provide a list of relevant scientific papers to read prior to going to the field.

7. Examination Policy:

There are no examinations for this course. Please see Grading (above) for assessment methods.

Students should also read the Calendar, [Section G](#), on Examinations.

8. Approved Mandatory And Optional Course Supplemental Fees:

In addition to tuition fees, students must pay a supplement to cover the trip and accommodation expenses. These fees are set by the Group Study Program.

9. Writing Across The Curriculum Statement:

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also Section [E.2](#) of the University Calendar.

Writing across the curriculum statement In this course, the quality of the student's writing, clear presentation of information (i.e. in tables, graphs, and figure), and appropriate scientific writing and presentation aspects will be a factor in the evaluation in all aspects of the course. See [Section E.2](#) of the University Calendar.

10. Human Studies Statement:

Students will not participate as subjects or researchers in human studies.

See also [Section E.5](#) of the University Calendar.

11. Reappraisal Of Grades:

A student wishing a reappraisal, should first attempt to review the graded work with the Course coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

- a. **Term Work:** The student should present their rationale as effectively and as fully as possible to the Course coordinator/instructor within **15 days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall immediately submit the Reappraisal of Graded Term work form to the department in which the course is offered. The department will arrange for a re-assessment of the work if, and only if, the student has sufficient academic grounds. See sections [I.1](#) and [I.2](#) of the University Calendar
- b. **Final Exam:** The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

12. Other Important Information For Students:

- a. **Mental Health** The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).
- b. **SU Wellness Center:** The Students Union Wellness Centre provides health and wellness support for students including information and counselling on physical health, mental health and nutrition. For more information, see www.ucalgary.ca/wellnesscentre or call [403-210-9355](tel:403-210-9355).
- c. **Sexual Violence:** The University of Calgary is committed to fostering a safe, productive learning environment. The Sexual Violence Policy (<https://www.ucalgary.ca/policies/files/policies/sexual-violence-policy.pdf>) is a fundamental element in creating and sustaining a safer campus environment for all community members. We understand that sexual violence can undermine students' academic success and we encourage students who have experienced some form of sexual misconduct to talk to someone about their experience, so they can get the support they need. The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email (svsa@ucalgary.ca) or phone at [403-220-2208](tel:403-220-2208).
- d. **Misconduct:** 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. Examples of academic misconduct may include: submitting or presenting work as if it were the student's own work when it is not; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; collaborating in whole or in part without prior agreement of the instructor; borrowing experimental values from others without the instructor's approval; falsification/ fabrication of experimental values in a report. **These are only examples.**

- e. **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- f. **Academic Accommodation Policy:** 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 [procedure-for-accommodations-for-students-with-disabilities.pdf](#).
- Students needing an accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Sr. Instructor of the Department of Geoscience, Dr. Rudi Meyer by email rmeyer@ucalgary.ca or phone 403-210-7848. Religious accommodation requests relating to class, test or exam scheduling or absences must be submitted no later than **14 days** prior to the date in question. See [Section E.4](#) of the University Calendar.
- g. **Safewalk:** Campus Security will escort individuals day or night (See the [Campus Safewalk](#) website). Call [403-220-5333](#) for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- h. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). 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 [Legal Services](#) website.
- i. **Student Union Information:** [VP Academic](#), Phone: [403-220-3911](#) Email: suypaca@ucalgary.ca. SU Faculty Rep., Phone: [403-220-3913](#) Email: sciencerep@su.ucalgary.ca. Student Ombudsman, Email: suypaca@ucalgary.ca.
- j. **Internet and Electronic Device Information:** Unless instructed otherwise, cell phones should be turned off during class. All communication with other individuals via laptop, tablet, smart phone or other device is prohibited during class unless specifically permitted by the instructor. Students that violate this policy may be asked to leave the classroom. Repeated violations may result in a charge of misconduct.
- k. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.
- l. **Copyright of Course Materials:** All course materials (including those posted on the course D2L site, a course website, or used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

Department Approval:

Electronically Approved

Date: 2019-05-01 15:22