



UNIVERSITY OF CALGARY  
FACULTY OF SCIENCE  
DEPARTMENT OF GEOSCIENCE  
COURSE OUTLINE  
WINTER 2015

1. **Course:** Geology 585, Biostratigraphy

Lecture Sections:

L01: MoWeFr, 11:00-11:50, ST 064

Instructor, Dr. D. Georgescu, Office ES 112, Tel. No. 403-210-7759, e-mail address, [dgeorge@ucalgary.ca](mailto:dgeorge@ucalgary.ca),

Office Hours: MoWeFr 13:00-14:00.

Course website: Desire 2 Learn (D2L), GLGY 585 Advanced Biostratigraphy

Geoscience Department ES 118, 403-220-5841, [geoscience.ucalgary.ca](http://geoscience.ucalgary.ca), [geoscience@ucalgary.ca](mailto:geoscience@ucalgary.ca)

2. **Prerequisites:** Consent of the Department. 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](http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html))

**Antirequisite:** Credit for both Geology 685 and 585 will not be allowed.

3. **Grading:** The University policy on grading and related matters is described 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:

|                                |     |
|--------------------------------|-----|
| Lab assignments (2)            | 20% |
| Lab final test                 | 40% |
| Final project and presentation | 40% |

Grading Scheme

|    |           |
|----|-----------|
| A+ | 95 – 100% |
| A  | 86 – 94%  |
| A- | 80 – 85%  |
| B+ | 77 – 79%  |
| B  | 73 – 76%  |
| B- | 70 – 72%  |
| C+ | 67 – 69%  |
| C  | 63 – 66%  |
| C- | 60 – 62%  |
| D+ | 55 – 59%  |
| D  | 50 – 54%  |
| F  | <50%      |

Each piece of work (assignment, laboratory final, or final project and presentation) 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](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also [Section E.6](#) of the University Calendar

5. **Course Materials:** There is no textbook in this course.

## 6. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **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.
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: Students with Disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html> [B.1](#) and Student Accessibility Services: <http://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](mailto:suypaca@ucalgary.ca).  
SU Faculty Rep. Phone: 220-3913 Email: [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca); [Student Ombudsman](#)
- (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](http://www.ucalgary.ca/usri)). Your responses make a difference – please participate in USRI Surveys.

Department Approval: ORIGINAL SIGNED

Date: January 19 2015

Associate Dean's Approval for  
Alternate final examination arrangements: ORIGINAL SIGNED

Date: January 19 2015

UNIVERSITY OF CALGARY  
DEPARTMENT OF GEOSCIENCE  
COURSE OUTLINE

GEOLOGY 585  
BIOSTRATIGRAPHY

1. **COURSE OBJECTIVE AND CONTENT:** The objective GLGY 585 Biostratigraphy and GLGY 685 Advanced biostratigraphy is to present the principles and applications of the biostratigraphy in the oil industry. The focus is on foraminifers and conodonts but other microfossil groups will be also presented. We study the patterns in microfossil distribution and how they can be used to recognize the paleobathymetry settings and relative sea-level through time. The final project will be focused on foraminiferal assemblages worldwide and conodonts from Western Canada.

A tentative outline of the topics covered in this course is given below; note that changes can occur as we advance through the course.

| <b>Week</b> | <b>Lecture topics</b>   |
|-------------|---|
| 1           | Introduction. Major non-foram and non-conodont groups                   |
| 2           | Foraminifers and radiolarians   |
| 3           | Conodonts   |
| 4           | Applications of foraminifer and conodont studies in biostratigraphy (I) |
| 5           | Applications of foraminifer and conodont studies in biostratigraphy (I) |
| 6           | Overall view on applied biostratigraphy                                 |