

6. **EXAMINATION POLICY:** No electronic or written aids (eg. cell phones, tablets, computers, PDAs, notes, textbooks) will be allowed during writing of any exams.

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

7. In this course, the quality of the student's writing in laboratory reports will be a factor in the evaluation of those reports. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>."

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 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 561
SEQUENCE STRATIGRAPHY

TERM:	Winter 2014			
PREREQUISITE(S):	Geology 453 or 441, and 461			
LECTURER(S):	Dr. P.K. Pedersen	ES 240	220-8454	pkpeders@ucalgary.ca
LECTURE :	L01	TR	09:30-10:45	SA 129
LAB(S):	B01, 02	R	11:00, 14:00, 17:00	EEEL 151

Textbook: "Siliciclastic Sequence Stratigraphy - Concepts and Applications" by H.W. Posamentier and G.P. Allen, 2000; SEPM Concepts in Sedimentology and Paleontology Series 7, Society for Sedimentary Geology, 204 pages
Textbook is available as a CD in the university bookstore.

MARK DISTRIBUTION: A. Composition of Final Grade

Participation	10%	
Lab Exercises	10%	
Midterm Exam	25%	February 25, 2014
Presentation	20%	
Final exam	35%	(To be scheduled by the Registrar)

Students who are absent from the midterm exam or final laboratory exam because of illness or other unforeseen circumstances may be granted an excused absence by the Course Coordinator (midterm exam) or Lab Coordinator (final laboratory exam) upon presentation of adequate documentation (a completed Physician/Counsellor Report form <<http://www.ucalgary.ca/registrar/PDFs/phycoun.pdf>> for illness; equivalent documentation for other circumstances). There will be no "make-up" examinations for excused absences. The weight assigned to the midterm examination will be transferred to the final examination.

Similarly, students who are unable to submit laboratory reports or assignments on time because of similar circumstances will be required to submit the same type of documentation to the Lab Coordinator in order to be considered for a time extension.

B. Final Exam

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

C. Components of Course for Which a Passing Grade is Essential

Students must achieve a passing grade (minimum of D) on both the lecture portion of the course (average of the midterm and final exams) and the laboratory portion of the course to qualify for a passing grade overall.

D. Grading Scheme

A+	96-100	A	90-95	A-	85-89
B+	80-84	B	74-79	B-	70-73
C+	66-69	C	61-65	C-	56-60
D+	53-55	D	50-52	F	0-49

TENTATIVE LECTURE SCHEDULE AND LAB SCHEDULE.

GLGY 561/699.34 Lecture and Lab Schedule			Winter 2014
Date	Lecture	Lab	
Thursday 9-Jan	1 intro to class	no lab	
Tuesday 14-Jan	2 Intro to sequence stratigraphy		
Thursday 16-Jan	3 Intro to sequence stratigraphy model	1 Seismic sequence exercise #1	
Tuesday 21-Jan	4 Seismic sequence stratigraphy		
Thursday 23-Jan	5 Accommodation Space	2 Seismic sequence exercise #2	
Tuesday 28-Jan	6 Stratal Architecture		
Thursday 30-Jan	7 Parasequences	3 Sequence model exercise	
Tuesday 4-Feb	8 Wheeler Diagrams & FSST		
Thursday 6-Feb	9 SB and Lowstand Systems Tract	4 Sequence model continued - Wheeler diagram exercise	
Tuesday 11-Feb	10 Incised Valleys 1		
Thursday 13-Feb	11 Incised Valleys 2	5 Viking - Jensen Pool exercise	
Tuesday 18-Feb	Reading Week		
Thursday 20-Feb	Reading Week		
Tuesday 25-Feb	midterm		
Thursday 27-Feb	12 TST, Transgressive erosion	6 Cardium Exercise	
Tuesday 4-Mar	3 presentations		
Thursday 6-Mar	13 Sedimentary basins and sediment supply	7 Doig Exercise	
Tuesday 11-Mar	3 presentations		
Thursday 13-Mar	14 Comparisons of models	8 Grand Rapids exercise	
Tuesday 18-Mar	3 presentations		
Thursday 20-Mar	15 Fluvial Sequence stratigraphy 1	9 Belly River exercise	
Tuesday 25-Mar	3 presentations		
Thursday 27-Mar	16 Fluvial Sequence stratigraphy 2	10 Colorado shale exercise	
Tuesday 1-Apr	3 presentations		
Thursday 3-Apr	17 Shale sequence stratigraphy	11 Slave Point exercise	
Tuesday 8-Apr	3 presentations		
Thursday 10-Apr	18 Course review - Questions	12 review of exercises	