Geography 206

Lithosphere and Hydrosphere

Course Outline, Winter 2004
Lecture: Tuesday and Friday, 11:30 – 12:50, F338
Lab: Section 1a – Tuesday and Friday, 1:30 – 2:50, F338
Section 1b – Tuesday and Friday, 3:00 – 4:20, F338

Instructor

David Bean
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office hours: Tues. 9:30am – 11:30am, and Fri. 9:30 am – 11:30am
*meetings can be scheduled outside these times by appointment
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Course Description

This course is intended to acquaint students with some of the fundamental components and processes that operate within the lithosphere and hydrosphere. Hands-on laboratory exercises will allow students to put the theory learned in lectures to practical use.

Textbook

Robert W. Christopherson. Geosystems (4th or 5th Edition), Macmillan Publishing. This text is available at the Camosun College bookstore and is also used for Geography 204. Some in-class handouts will be provided to supplement the textbook.

Evaluation

Your mark in the course will be assessed by three tests and the laboratory exercises. There will be no scheduled final exam for this course. All tests must be written at the scheduled time unless a verifiable emergency existed to prevent attendance. Labs must be handed in on time unless a verifiable emergency existed to prevent submission. Exams not written or labs not handed in on time will receive a mark of zero. Please consult the College Calendar, which outlines the College policies regarding exams and tests.

Test #1 20%
Test #2 20%
Test #3 20%
Labs 40%
100%

Grading

The standard grading scale of the School of Arts and Science will be used in this course.

A+	A	A-	B+	B	B-	C+	C	D	F
95-100%	90-95%	85-90%	80-85%	75-80%	70-75%	65-70%	60-65%	50-60%	0-50%

Labs

There are nineteen labs in the course. Each lab contains exercises to reinforce the concepts that were introduced by the preceding lecture. Attendance during the lab period is required to obtain a mark for the specific assignment. Documented proof of illness or emergency must be provided or

a mark of zero will be assigned for the lab.

Lecture, Readings, and Lab Schedule

Date	Lecture topic	Lab	Lab due	Reading*
Jan 6	Introduction	*no lab*	-	1 – 34
Jan 9	Structure of the Earth	Lab 1	Jan 16	326 - 330
Jan 13	Geologic cycle / rock formation	Lab 2	Jan 20	330 – 340
Jan 16	Plate tectonics	Lab 3	Jan 23	340 – 353
Jan 20	Folding / faulting / mountains	Lab 4	Jan 27	357- 375
Jan 23	Earthquakes	Lab 5	Feb 3	375 – 383
Jan 27	Volcanism	*review*	-	383 – 394
Jan 30	**Test #1**	*no lab*	-	-
Feb 3	Weathering	Lab 6	Feb 10	400-411
Feb 6	Erosion and deposition	Lab 7	Feb 17	411-423
Feb 10	Landslides and avalanches	Lab 8	Feb 17	-
Feb 13	*No Class – reading break*	*no lab*	-	-
Feb 17	Glacial processes	Lab 9	Feb 24	520 - 534
Feb 20	Periglacial processes	Lab 10	Feb 27	534 – 550
Feb 24	Glacial & periglacial landforms	Lab 11	Mar 2	-
Feb 27	Aeolian processes	Lab 12	Mar 9	464 - 474
Mar 2	Desert landscapes	*review*	-	474 – 485
Mar 5	**Test #2**	-	-	-
Mar 9	Water cycle and balance	Lab 13	Mar 16	245 – 259
Mar 12	Precipitation / runoff / storage	Lab 14	Mar 19	259 – 270
Mar 16	Streamflow and rivers	Lab 15	Mar 23	431 – 458
Mar 19	Fluvial erosion and landforms	Lab 16	Mar 26	-
Mar 23	Marine systems and circulation	Lab 17	Mar 30	490 – 501

Mar 26	Coastal erosion and landforms	Lab 18	Apr 2	501-514
Mar 30	Human impacts on hydrology	Lab 19	Apr 2	-
Apr 2	*Review*	*review* -		
Apr 6	**Test #3**	*no lab*	-	

* based on Edition of Geosystems

5th