



# University of Victoria

## Current (2011) Syllabus

### Geology Course Equivalent List

ENGINEERS &  
GEOSCIENTISTS  
BRITISH COLUMBIA

	Number	Description	UVic Course
<b>Group: 1A – Compulsory Foundation Science – 11-GEOCOM – Fundamental Science (3 required)</b>			
	FS-A1	Calculus (1 semester)	MATH 100, 109
	FS-A2	Physics (1 semester)	PHYS 102A, 110, 120
	FS-A3	Chemistry (1 semester)	CHEM 101
<b>Group: 1B – Additional Foundation Science – 11-GEOCOM – Electives (6 required – no more than 2 courses in any 1 subject)</b>			
	COM-B1	Mathematics	MATH 101 or any 200 level or higher
	COM-B2	Chemistry	CHEM 102 or any 200 level or higher
	COM-B3	Physics	PHYS 102B, 111, 130 or any 200 level PHYS or higher
	COM-B4	Biology	Any 100 level BIOL or higher
	COM-B5	Computer Programming	Any 100 level CPSC or higher (must have programming content)
	COM-B6	Statistics	EOS 225, STAT 255, 260, GEOG 226, 418
<b>Group: 2A – Compulsory Geoscience – 11-GEOCOM – Compulsory (4 required)</b>			
	COM-A1	Mineralogy & Petrology	EOS 205
	COM-A2	Sedimentation & Stratigraphy	EOS 201
	COM-A3	Structural Geology	EOS 202
	COM-A4	Field Techniques	EOS 300
<b>Group: 2B – Foundation Geology – 11-GL – Compulsory (5 required – must have a minimum of 1, and at most 2 from each group, but no more than 1 in each subject)</b>			
Group A	FGL-A1	Geophysics	EOS/PHYS 210 or EOS/PHYS 427
	FGL-A2	Geochemistry	EOS 240
Group B	FGL-A3	Igneous Petrology	EOS 316 or 416
	FGL-A4	Metamorphic Petrology	EOS 316 or 416
	FGL-A5	Sedimentary Petrology	NO EQUIVALENT COURSE
Group C	FGL-A6	Sedimentology	EOS 423 <sup>1</sup>
	FGL-A7 (choose one <sup>2</sup> )	Glacial Geology <i>or</i> Geomorphology	EOS 450 or GEOG 276 or 376 or 424 or 476
	FGL-A8	Remote Sensing	GEOG 228 or 319 or 322 or 422

<sup>1</sup> currently an Advanced Topics course: EOS 491 - Advanced Sedimentology and Stratigraphy.

<sup>2</sup> courses in either Glacial Geology or Geomorphology (but not both) are acceptable in this group.

	Number	Description	UVic Course
<b>Group: 2C – Other Geology – 11-GL – Electives (9 Required)</b>			
Communication	GL-C1	Thesis	EOS 499A & B
	GL-C2	Technical Writing	ENGL 225, 301, ENGR 240
Earth Systems	GL-C3	Climatology	EOS 340, 433, GEOG 272, 373, 484
	GL-C4	Meteorology	NO EQUIV.COURSE
	GL-C5	Oceanography	EOS 311, 312, 313, 314, 315, 431
	GL-C6	Earth Systems	EOS 260, 460
Environmental	GL-C7	Hydrogeology	EOS 440
	GL-C8	Hydrology	GEOG 272, 370
	GL-C9	Environmental Geology	NO EQUIVALENT COURSE
	GL-C10	Limnogeology	NO EQUIVALENT COURSE
	GL-C11	Biogeochemistry	EOS 403
Field Techniques	GL-C12	Field Techniques	NO EQUIVALENT COURSE
Geochemistry	GL-C13	Exploration Geochemistry	NO EQUIVALENT COURSE
	GL-C14	Environmental Geochemistry	EOS 240
	GL-C15	Isotope Geochemistry	EOS 335
	GL-C16	Aqueous Geochemistry	EOS 425
Geomorphology	GL-C17	Quaternary Geology	EOS 450
	GL-C18	Pedology	ER 334
	GL-C19	Geomorphology	GEOG 276, 376, 424, 476
Geophysics	GL-C20	Physics of the Earth	EOS/PHYS 210, EOS/PHYS 427
	GL-C21	Exploration Geophysics	NO EQUIVALENT COURSE
	GL-C22	Applied Geophysics	EOS 480
	GL-C23	Environmental Geophysics	NO EQUIVALENT COURSE
Geotechnical	GL-C24	Natural Hazards	NO EQUIVALENT COURSE
	GL-C25	Engineering Geology	NO EQUIVALENT COURSE
	GL-C26	Soil Mechanics	NO EQUIVALENT COURSE
	GL-C27	Rock Mechanics	NO EQUIVALENT COURSE
Mineralogy	GL-C28	Crystallography	NO EQUIVALENT COURSE
	GL-C29	X-Ray Crystallography	NO EQUIVALENT COURSE
	GL-C30	Optical Mineralogy	NO EQUIVALENT COURSE
	GL-C31	Analytical Methods	NO EQUIVALENT COURSE
Paleontology	GL-C32	Micropaleontology	NO EQUIVALENT COURSE
	GL-C33	Palynology	NO EQUIVALENT COURSE
	GL-C34	Paleobiology	EOS 330
Petrology	GL-C35	Igneous Petrology	EOS 416
	GL-C36	Volcanology	NO EQUIVALENT COURSE
	GL-C37	Metamorphic Petrology	EOS 416
	GL-C38	Sedimentary Petrology	NO EQUIVALENT COURSE
Quantitative Analysis	GL-C39	Geostatistics	GEOG 226, 418
	GL-C40	Computer Applications in Geoscience	NO EQUIVALENT COURSE
	GL-C41	Geographic Information Systems	GEOG 222, 328, 329
Regional Geology	GL-C42	Geology of Canada	EOS 400
	GL-C43	Geology of North America	NO EQUIVALENT COURSE
Remote Sensing	GL-C44	Air Photo Interpretation	NO EQUIVALENT COURSE
	GL-C45	Remote Sensing	GEOG 228, 319, 322, 422

	Number	Description	UVIC Course
Resource Geology	GL-C46	Economic Geology	EOS 420
	GL-C47	Mineral Deposits	NO EQUIVALENT COURSE
	GL-C48	Ore Petrology	NO EQUIVALENT COURSE
	GL-C49	Coal Geology	NO EQUIVALENT COURSE
	GL-C50	Petroleum Geology	EOS 422
	GL-C51	Industrial Materials	NO EQUIVALENT COURSE
Sedimentology	GL-C52	Chemical Sedimentology	NO EQUIVALENT COURSE
	GL-C53	Clastic Sedimentology	NO EQUIVALENT COURSE
	GL-C54	Carbonate Sedimentology	NO EQUIVALENT COURSE
	GL-C55	Glacial Geology	EOS 450
Stratigraphy	GL-C56	Historical Geology	NO EQUIVALENT COURSE
	GL-C57	Sequence Stratigraphy	NO EQUIVALENT COURSE
	GL-C58	Stratigraphic Paleontology	NO EQUIVALENT COURSE
	GL-C59	Geochronology	NO EQUIVALENT COURSE
Structure	GL-C60	Global Tectonics	EOS 410
	GL-C61	Tectonics	NO EQUIVALENT COURSE
	GL-C62	Structural Geology	NO EQUIVALENT COURSE

*In the event of a discrepancy between this and the on-line document*

*(<https://www.egbc.ca/getmedia/758b94aa-e0b8-4211-a1c1-4d6c3ee90984/APEGBC-UVIC-Geo-Course-Equivalency-Geology-2011.pdf.aspx>), the latter will prevail.*