

UNDERGRADUATE & GRADUATE

FALL 2011 / WINTER 2012 - updated 28/06/2011

Note: This list of courses and instructors is tentative and subject to further revision as deemed necessary.

FALL:	Course Number	Name of Course	Tentative Instructor	Special Notes
	GLGY 201	Principles of Geology & Geophysics I	Reid, L & Meyer, R	
	GLGY 209	Introduction to Geology I	Giovanni, M/Georgescu, D	For Non-Geoscience Students Only
	GLGY 311	Minerals & Rocks	Cuthbertson, J	Register in only one of GLGY 311 or 323 per semester
	GLGY 323	Geochemical Processes	Nair, R	Register in only one of GLGY 311 or 323 per semester
	GLGY 337	Introduction to Geologic Field Methods	Giovanni, M	Aug 11 - 24
			Nair, R	Aug 11 - 24
			Spila, M	Aug 11 - 24
			Cuthbertson, J	Aug 11 - 24
			Hildebrand, A	Aug 26 - Sept 8
			Zelenitsky, D	Aug 26 - Sept 8
	GLGY 377	Petroleum Engineering Geology	Georgescu, D & Lawton, D	For Engineering Students Only
	GLGY 381	Stratigraphy & Sedimentation	Giovanni, M	
	GLGY 401/601	Physical Hydrogeology	Cey, E	
	GLGY 423	Mineralogy	Antao, S	
	GLGY 435	Field Methods II	Guest, B	Aug 26 - Sept 10
			Hubbard, S	Aug 26 - Sept 8
			Leier, A	Aug 26 - Sept 8
	GLGY 449/649	Petrophysical Techniques	Meyer, R & Lines, L	
	GLGY 471	Geology, Engineering & the Environment	TBA	For Engineering Students Only
	GLGY 491	Paleobiology	Henderson, C	
	GLGY 503	Aqueous Geochemistry	Mayer, B	
	GLGY 510	Senior Thesis	TBA	Full course; see Dept. for registration info
	GLGY 527	Ore Deposits	Pattison, D	
	GLGY 535	Early Earth Evolution	Nair, R	was GLGY 599.18
	GLGY 541*	Advanced Structural Geology*		*Not offered in 2011/2012; contact Dr. Deb Spratt for more info
	GLGY 575	Subsurface Methods	Hubbard, S	was GLGY 463/599.01
	GLGY 585/685	Biostratigraphy	Georgescu, D	6-week course; Sept 12 - Oct 21
	GLGY 593.02	Stratigraphy & Sedimentation of Clastic Rocks	Leier, A	6-week course; Sept 12 - Oct 21
	GLGY 593.03	Stratigraphy & Sedimentation of Carbonate Rocks	Krause, F	6-week course; Oct 24 - Dec 9
	GLGY 593.05/693.05	Ichnology	Hubbard, S	6-week course; Oct 24 - Dec 9
	GLGY 597/697	Numerical Models & Geostatistics	Bentley, L	
	GLGY 607	Advanced Physical Hydrology	Hayashi, M	
	GLGY 613/ENPE 513	Flow in Porous Media		Not offered in 2011/2012

GLGY 663	Applications of Stable Isotopes	Mayer, B	
GLGY 677	Adv. Topics in Oil & Gas Production		Not offered in 2011/2012
GLGY 694.03	Reservoir Evaluation & HC Play Assessment	Pedersen, P	
GLGY 701	Advanced Independent Study	Henderson, C	
GLGY 703	Readings in Geology	Henderson, C	
GLGY 707	Geology & Geophysics in Western Canada	Henderson, C	

GOPH 359	Global Geophysics	Wu, P	
GOPH 375	Natural Disasters & Earth Phenomena	Hildebrand, A	Not a valid GLGY/GOPH option for majors
GOPH 449/649	Petrophysical Techniques	Meyer, R & Lines, L	
GOPH 453	Mining Geophysics	Wu, P	
GOPH 509	Independent Study	TBA	Either term; see Dept. for registration info
GOPH 517	1-D Signal Analysis	Margrave, G	New required course; prereq for GOPH 557
GOPH 549	Field School	Pidlisecky, A & Ferguson, R	Aug 22 - Sept 8; tutorials run Sept 12 - 28
GOPH 551	Seismic Theory & Methods	Krebes, E	
GOPH 565	Environmental Applications of Geophysics	Pidlisecky, A	Was GOPH 465
GOPH 559	Geophysical Interpretation	Lines, L	TENTATIVE; contact Dr. Lines for more info
GOPH 645	Seismic Wave Propagation	Krebes, E	
GOPH 699.11	Seismic Research Topics and Tools	Lawton, D	
GOPH 701	Advanced Independent Study	Henderson, C	
GOPH 703	Readings in Geophysics	Henderson, C	

WINTER:	Course Number	Name of Course	Tentative Instructor	Special Notes
	GLGY 203	Principles of Geology & Geophysics II	Osborn, J & Spila, M	
	GLGY 209	Introduction to Geology I	Georgescu, D / Krause, F	For Non-Geoscience Students Only
	GLGY 301	Geology of the Mtn. Regions of W. Canada	Reid, L	Not a valid GLGY option for majors
	GLGY 305	Introduction to Dinosaurs	Zelenitsky, D	Not a valid GLGY option for majors
	GLGY 307	Geological History of Life	Georgescu, D	Not a valid GLGY option for majors
	GLGY 311	Minerals & Rocks	Cuthbertson, J	Register in only one of GLGY 311 or 323 per semester
	GLGY 323	Geochemical Processes	Nair, R	Register in only one of GLGY 311 or 323 per semester
	GLGY 337	Introduction to Geologic Field Methods	Zelenitsky, D	TENTATIVE; May 1 - 14
	GLGY 341	Structural Geology	Guest, B	
	GLGY 373	Surficial Geology	Osborn, J	
	GLGY 377	Petroleum Engineering Geology	Georgescu, D & Lawton, D	For Engineering Students Only
	GLGY 435	Field Methods II	Pattison, D	May 1 - 14
Krause, F			May 1 - 14	
Henderson, C			May 1 - 14	
	GLGY 441/639	Field Techniques in Hydrogeology	Bentley, L & Hayashi, M	May 1 - 14
	GLGY 443	Igneous & Metamorphic Petrology	Pattison, D & Cuthbertson, J	

GLGY 461	Sedimentary Petrology	Meyer, R	
GLGY 463*	Subsurface Methods in Petroleum Geology*	* NO LONGER OFFERED (moved to 4th year as GLGY 575; consult Dr. Spila for advice)	
GLGY 475	Geologic Record of Global Change	Ryan, C	
GLGY 505	Contaminant Hydrogeology	Ryan, C	
GLGY 510	Senior Thesis	TBA	Full course; see Dept. for registration info
GLGY 523	Advanced Mineralogy	Antao, S	Was GLGY 599.17
GLGY 537	Field Methods III	Meyer, R	May 1 - 14
GLGY 555	Global Geology	Giovanni, M	
GLGY 561/699.34	Sequence Stratigraphy	Pedersen, P	
GLGY 571	Engineering Geology	Guest, B & Bentley, L	
GLGY 589.02/689.02	Petroleum Fluids	Larter, S	3-week course; Jan 30 - Feb 17
GLGY 589.08/689.08	Petro. Generation & Migration	Larter, S	3-week course; Jan 9 - 27
GLGY 593.06/693.06	Professional Practice for Geoscientists	Lines, L	Block Week Course: Jan 2 - 6
GLGY 595.03	Reservoir Evaluation & Hydrocarbon Play Assess	Pedersen, P	
GLGY 595.05	Basin Analysis	Leier, A	
GLGY 605	Topic Subsurface Flow & Transport	Bentley, L	
GLGY 611	Groundwater Resource Management	Cey, E	
GLGY 623	Modern Diffraction & Scattering Techniques	Antao, S	
GLGY 698/ENCH 698	Reservoir Characterization & Field Development	Clarkson, C & Jensen, J	
GLGY 699.33	Advanced Clastic Sedimentology	Krause, F	TENTATIVE; contact Dr. Krause for more info
GLGY 699.37	Unconventional Reservoir Analysis	Clarkson, C	
GLGY 701	Advanced Independent Study	Henderson, C	
GLGY 703	Readings in Geology	Henderson, C	

GOPH 355	Exploration Geophysics	Ferguson, R & Innanen, K	
GOPH 375	Natural Disasters & Earth Phenomena	Ferguson, R	Not a valid GLGY/GOPH option for majors
GOPH 457	Physical Properties of Rocks	Eaton, D	
GOPH 509	Independent Study	TBA	Either term; see Dept. for registration info
GOPH 547	Gravity & Magnetism	Krebes, E	
GOPH 557	Geophysical Data Processing	Margrave, G	Requires GOPH 517 as prereq; consult Dr. Krebes for advice
GOPH 559	Geophysical Interpretation	Lines, L	
GOPH 657	Seismic Signal Analysis	Innanen, K	
GOPH 659	Pract. Seismic Modeling, Migration & Inversion	Bancroft, J	
GOPH 673	Advanced Inverse Theory	Innanen, K	
GOPH 701	Advanced Independent Study	Henderson, C	
GOPH 703	Readings in Geophysics	Henderson, C	