Department of Geology & Geophysics

School of Ocean & Earth Science & Technology
University of Hawai‘i, Manoa

Course Offerings
Fall 2005 Semester

Last updated: August 4, 2005

Freshman (100-Level) Classes

Course	Title	Credits	Days	Times	Room	Instructor
GG 101	Dynamic Earth	3	MWF	13:30-14:20	BIL150	Lee
GG 101L	Dynamic Earth Lab	1	M	13:30-16:20	706	Rowland
GG 101L	Dynamic Earth Lab	1	T	13:30-16:20	706	Rowland
GG 101L	Dynamic Earth Lab	1	W	08:30-11.20	706	Rowland
GG 101L	Dynamic Earth Lab	1	R	13:30-16:20	706	Rowland
GG 101L	Dynamic Earth Lab	1	F	13:30-16:20	706	Rowland
GG 103	Geology Hawaiian Islands	3	TR	10:30-11:45	723	Rowland
GG 170	Physical Geology	4	MWF	09:30-10:20	723	Johnson
	LAB		W	13:30-16:20	706	

Course descriptions[1]
Explanation of GG Undergraduate Curriculum[2]
NOTE: GG101 and GG101L, or GG103 and GG101L, or equivalent are required for the GG Major.

Sophomore (200-Level) Classes

[1] http://www.soest.hawaii.edu/GG/gg100200.html
[2] http://www.soest.hawaii.edu/GG/gg_undergraduate.html

Course	Title	Credits	Days	Times	Room	Instructor
GG 250	Scientific Programming	3	MW	12:30-13:20	733	Frazer
	LAB		R	13:30-16:20	733	

Course descriptions[3]
Explanation of GG Undergraduate Curriculum[4]
NOTE: GG200 or equivalent is required for the GG Major

Junior (300-Level) Classes

Course	Title	Credits	Days	Times	Room	Instructor
GG 300	Volcanology	3	TR	09:00-10:15	706	Houghton
GG 301	Mineralogy	4	MWF	11:30-12:20	703	Hammer
	LAB		T	13:30-16:20	703	
GG 303	Structural Geology	3	MW	10:30-11:20	708	Martel
	LAB		W	13:30-16:20	708	
GG 308	Historical Geology	3	WF	09:30-10:20	708	Ravizza
	LAB		F	13:30-16:20	708	
GG 312	Geomathematics	3	MWF	09:30-10:20	703	Becker
GG 313	Geological Data Analysis	3	TR	12:00-13:15	733	Duennebier
GG 325	Geochemistry	3	TR	13:30-14:45	613	Rubin

Course descriptions[5]
Explanation of GG Undergraduate Curriculum[6]
NOTE: GG301, GG303 and GG308 are required for all majors, either BS in Geology & Geophysics or BA in Geology;
GG313 is required for all majors planning on the BS degree.

Senior (400-Level) Classes

Course	Title	Credits	Days	Times	Room	Instructor
GG 410	Undergraduate Seminar	1	MF	14:30-15:20	723	Harris
GG 425	Environmental Geochemistry	3	TR	09:00-10:15	708	Ravizza
GG 444	Plate Tectonics	3	R	14:30-17:00	703	Hey
GG 455	Hydrogeology	4	TR	10:30-11:45	708	El-Kadi
	LAB		M	13:30-16:20	703	

[3] http://www.soest.hawaii.edu/GG/gg100200.html
[4] http://www.soest.hawaii.edu/GG/gg_undergraduate.html
[5] http://www.soest.hawaii.edu/GG/gg300.html
[6] http://www.soest.hawaii.edu/GG/gg_undergraduate.html

Course descriptions[7]
Explanation of GG Undergraduate Curriculum[8]
NOTE: GG410 is required of all majors, BA and BS alike.

Graduate (500-, 600- & 700-Level) Classes

Course	Title	Credits	Days	Times	Room	Instructor
GG 500	MS Plan B/C Studies	1	TBA	TBA	TBA	Fletcher
GG 608	Isotopes and Trace Elements	3	TR	09:00-10:15	613	Mahoney
GG 609	Graduate Teaching Geology	V	TBA	TBA	TBA	Fletcher
GG 610	Graduate Seminar	1	F	14:30-15:20	723	Harris
GG 611	Accelerated Introduction to Geology 1	3	MWF	13:30-14:20	702	Mahoney
GG 621	Electron Microprobe Analysis	2	M	13:30-15:20	613	Ross
GG 638	Earth System Science and Global Change	3	WR	13:30-14:45	MSB306	MacKenzie
GG 650	Seismology	3	MWF	12:30-13:20	703	Dunn
GG 652	Gravity, Magnetics, and Heat Flow	3	TR	11:00-12:15	810	Ito
GG 685	Geophysical Inverse Theory	3	MWF	09:30-11:45	702	Frazer
GG 710-01	Remote sensing in Submarine Environments	2	TR	09:00-10:15	702	Edwards/Appe
GG 711-01	Special Topics: Geology & Geophysics	3	TR	12:00-13:15	708	Popp
GG 711-02	Seismic Reflection Data Inerpretation	3	TR	13:30-14:45	708	Moore/CostaP
GG 711-03	Satellites of the Outer Planets	3	TR	13:30-14:45	702	Fagents
GG 711-04	Geospacial Inform GIS and GPS for Geo work	3	TR	16:30-17:45	733	Rowland
GG 711-05	Lava flow rheology and morphology	3	MWF	10:30-11:20	613	Harris

Descriptions for courses numbered 600-651[9] and 651-699[10], as well as all 700[11] level courses.
In the catalog, GG 710 courses are called “Selected Topics: Geology & Geophysics”.
In the catalog, GG 711 courses are called “Special Topics: Geology & Geophysics”.

[7] http://www.soest.hawaii.edu/GG/gg400500.html
[8] http://www.soest.hawaii.edu/GG/gg_undergraduate.html
[9] http://www.soest.hawaii.edu/GG/gg600.html
[10] http://www.soest.hawaii.edu/GG/gg651.html
[11] http://www.soest.hawaii.edu/GG/gg700800.html