

Introductory Courses (1000 level)									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Frontiers of Science	SCNC	CC1000	McManus	McManus		McManus		McManus	McManus
Dinos and Hist of Life	EESC	UN1001/1401	Olsen			Olsen		Olsen	
Global Warming	EESC	UN1002				Raymo		Raymo/deMenocal	
Death Valley Field Excursion	EESC	UN1010				Christie-Blick	Christie-Blick		Christie-Blick
Earth Origin/Evol'n	EESC	UN1011/1411			TBD				
Oceanography	EESC	UN1030			Hönisch	Hönisch		Hönisch	
Environmental Risks	EESC	UN1201	Ekström					Ekström	
Resources & Sus Dev	EESC	UN1600	Kelemen			Kelemen		Kelemen	
Eastern Sierras Geological Excursion	EESC	UN1900							
Undergraduate Courses for the Major (2000-3000 level)									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Climate System	EESC	UN2100	McKinley/Camargo	Winckler/Ting		McManus/Fiore		McKinley/Camargo	Winckler/Ting
Solid Earth System	EESC	UN2200	Tolstoy/Kingslake	Goldstein/Hemming	Malinverno	(TBD - Tolstoy sabbatical)/Kingslake	Goldstein/(TBD - Hemming sabbatical)	Tolstoy/Kingslake	Goldstein/Hemming
Life System	EESC	UN2300		Olsen/Palmer/Griffin			Olsen/Palmer/Griffin		Olsen/Palmer/Griffin
Science for Sustainable Development	EESC	UN2330	Mutter/DeFries			Mutter/DeFries		Mutter/DeFries	
Field Geology	EESC	UN3010		Hemming/Goldstein (Italy), Stute Bermuda			Goldstein/Barbados		Hemming/Goldstein (Italy), Stute Bermuda
Hydrology	EESC	BC3025		Stute			Stute		Stute
Geochem/Habitable	EESC	UN3101	Plank			Plank		Plank	
Solid Earth Dynamics	EESC	UN3201		Nettles			Nettles		Nettles
Computational Earth Science	EESC	UN3400				Key			
Env Sci Senior Seminar	EESC	UN3901	Ducklow/Austermann	Ducklow/Austermann		Austermann/Commmane	Austermann/Commmane		
Terrestrial Paleocology (Kenya)	EEEB	OC3928					Uno		Uno
General Interest Graduate Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Communicating Earth & Env Sci	EESC	GR6400	Dyhrman			Dyhrman		Dyhrman	
Research Computing in Earth Sciences	EESC	GR6901	Crone			Abemathey		Abemathey	
QMDA	EESC	GR6908	Menke			Malinverno		Menke	
Writing Course	EESC	GR9xxx				Nettles			
Atmospheric Science Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Field Methods Environ Eng	EAEE	E 4006		McGillis			McGillis		McGillis
Intro to Atmospheric Sci	EESC	GU4008	Polvani			Polvani		Polvani	
Clim Thermo/Energy Transfer	EESC	GU4040		Sobel					Sobel
Global Assmt-Remote Sens	EESC	GU4050	Small			Small		Small	
Geophysical Fluid Dynamics	EESC/APAM	GU4210		Polvani			Polvani		Polvani
Atmospheric Aerosols	CHEN	GU4600		McNeill			McNeill		McNeill
Air-Sea Interaction	EESC	GU4630							Zappa
Intro to Atmospheric Chem	EESC	GU4924		Fiore			Fiore		Fiore
Earth's Oceans & Atmosphere	EESC	GU4930		Gordon			Gordon		Gordon
Instrumentation in Atm/Ocean	EESC	GR6935			Commmane			Commmane	
Dynamics of Climate	EESC	GR6920		Miller					Miller
Atmospheric Dynamics	EESC	GR6921				Miller			
Atmospheric Radiation	EESC	GR6922							Chowdhary
Tropical Meteorology	EESC	GR6928					Sobel		
Seminar in Atmospheric Science	EESC	GR9910	Commmane				Sobel		

Biogeoscience Science Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Field Methods Environ Eng	EAEE	E 4006		McGillis			McGillis		McGillis
Forest Ecology	EEEB	GU4100						Griffin	
Ecosys Ecol/Global Change	EEEB	GU4111				Menge			
Paleobio & Earth Sys	EESC	GU4480				Olsen			
Plant Ecophysiology	EESC	GU4550				Griffin			
Wetlands & Climate	EESC	GU4835				Peteet			
Biological Oceanography	EESC	GU4923	Juhl						Juhl
Biogeochemistry	EESC	GU4524		Ducklow					Ducklow
Systematics & Biogeography	AMNH	RGGS501		Burbrink/Wheeler			Burbrink/Wheeler		Burbrink/Wheeler
Evolution	AMNH	RGGS503	Smith, Hopkins, et al.			Smith, Hopkins, et al.		Smith, Hopkins, et al.	
GIS Methods & Applications	AMNH	RGGS602					Sterling/Blair		
Microbial Oceanography	EESC	GR6823			Ducklow/Dyhman			Ducklow/Dyhman	
Seminar in Biogeoscience	EESC	GR9523					Ducklow (Polar Ecology)	Juhl	
Geochemistry Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Chemical Geology	EESC	GU4009					Moussallam		
Humans and Carbon Cycle	EESC	GU4020				McKinley			
Geochron/Thermochron	EESC	GU4090					TBD (Hemming sabbatical)		
Intro to Mineralogy	EESC	GU4113		Moussallam				Moussallam	
Terrestrial Paleoclimate	EESC	GU4330	Schaefer					Schaefer	
Earth Resources & Sus Dev	EESC	GU4600	Kelemen			Kelemen		Kelemen	
Intro to Igneous Petrology	EESC	GU4701				Kelemen			
Chem Continental Waters	EESC	GU4885					Anderson		
Isotope Geology I	EESC	GU4887	Goldstein/Class					Goldstein	
Stable Isotope Geochemistry	EESC	GU4888							Linsley
Paleoceanography	EESC	GU4920					McManus		
Chemical Oceanography	EESC	GU4926		Anderson					Anderson
Cenozoic Paleocceanography	EESC	GU4937		Hönisch					Raymo/deMenocal
Analytical Mthds Geochem	EESC	GR6111				Class			
Magmatism & Volcanism	EESC	GR6700		Plank					Plank
Ig&Met Processes	EESC	GR6701							
Idealized Models - Climate	EESC	GR6926		Fiore/McKinley					Fiore/McKinley
Advanced Geochemistry	EESC	GR8884		Hofmann			Hofmann		Hofmann
Geochemistry Seminar	EESC	GR9802		Hofmann			Hofmann		Hofmann
Paleoceanography Seminar	EESC	GR9600				Raymo		Raymo	McManus
Geology/Paleontology Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Geochronology & Thermochron	EESC	GU4090					TBD (Hemming sabbatical)		
Intro to Mineralogy	EESC	GU4113	Moussallam					Moussallam	
Sedimentary Geology	EESC	GU4223		Christie-Blick				TBD	
Crustal Deformation	EESC	GU4230							
Terrestrial Paleoclimate	EESC	GU4330	Schaefer					Schaefer	
Paleobio & Earth Sys	EESC	GU4480				Olsen			
Igneous Petrology	EESC	GU4701				Kelemen			
Isotope Geology I	EESC	GU4887	Goldstein/Class					Goldstein	
Plate Tectonics	EESC	GU4947				TBD			
Field Geology	EESC	GR8010					Raymo/D'Andrea		
Evolution	AMNH	RGGS503	Smith, Hopkins, et al.			Smith, Hopkins, et al.		Smith, Hopkins, et al.	
Vertebrate Paleobiology	AMNH	RGGS658					Meng, Norell, Flynn et al.		
Geophysics Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Remote Sensing	EESC	GU4050	Small			Small		Small	
Geodynamics	EESC	GU4085		Buck				Buck	
Crustal Deformation	EESC	GU4230							
Earth's Deep Interior	EESC	GU4300					Ekstrom		
Plate Tectonics	EESC	GU4947				TBD			
Intro to Seismology	EESC	GU4949	Waldhauser					Waldhauser	
Glaciology	EESC	GU4220		Kingslake			Kingslake		Kingslake
Sea Level Change	EESC	GU4235		Austermann			Austermann		Austermann
Inverse Theory	EESC	GR6300					Menke		
Advanced Seismology	EESC	GR6949		Ekstrom					Ekstrom
Marine Seismology	EESC	GR6940							
Electromagnetic Geophysics	EESC	GR6950		Key					
Number Methods for PDEs	APMA	E 4301		Mandli			Mandli/Spiegelman		Mandli

Modern and Future Climate Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Field Methods Environ Eng	EAE	E 4006		McGillis			McGillis		McGillis
Intro to Atmospheric Sci	EESC	GU4008	Polvani					Polvani	
Humans and Carbon Cycle	EESC	GU4020				McKinley			
Clim Thermo/Energy Transfer	EESC	GU4040		Sobel			Sobel		
Global Assmt-Remote Sens	EESC	GU4050	Small			Small		Small	
Geophysical Fluid Dynamics	EESC/APAM	GU4210		Polvani			Polvani		Polvani
Wetlands & Climate	EESC	GU4835				Peteet			
Earth Human Interactions	EESC	GU4917	Eisenberger					Eisenberger	
Intro to Atmospheric Chem	EESC	GU4924		Fiore			Fiore		Fiore
Emerging City:NYC Environment	ANEE	84522						Peteet/Nichols	
Physical Oceanography	EESC	GU4925	Thurnherr/Gordon			Abemathey		Thurnherr	
Earth's Oceans & Atmo	EESC	GU4930		Gordon			Gordon		Gordon
Glaciology	EESC	GU4220		Kingslake			Kingslake		Kingslake
Dynamics of Climate	EESC	GR6920		Miller					Miller
Idealized Models - Climate	EESC	GR6926		Fiore/McKinley					Fiore/McKinley
Oceanography Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Field Methods Environ Eng	EAE	E 4006		McGillis			McGillis		McGillis
Geophysical Fluid Dynamics	EESC/APAM	GU4210		Polvani			Polvani		Polvani
Air-Sea Interaction	EESC	GU4630							Zappa
Paleoceanography	EESC	GU4920					McManus		
Biological Oceanography	EESC	GU4923	Juhl						Juhl
Physical Oceanography	EESC	GU4925	Thurnherr/Gordon			Abemathey		Thurnherr	
Chemical Oceanography	EESC	GU4926		Anderson					Anderson
Ocean Dispersion & Mixing	EESC	GU4929					Thurnherr		
Earth's Oceans & Atmo	EESC	GU4930		Gordon			Gordon		Gordon
Tropical Oceanography	EESC	GR6927							
Ocean Dynamics	EESC	GR6930							TBD
Climate Modeling	EESC	GR6xxx							
Microbial Oceanography	EESC	GR6823			Ducklow/Dyhman			Ducklow/Dyhman	
Past/Present/Future Ocean Sem	EESC	GR9931						Gordon	
Paleoclimate Courses									
Geochron/Thermochron	EESC	GU4090					TBD (Hemming sabbatical)		
Terrestrial Paleoclimate	EESC	GU4330	Schaefer					Schaefer	
Wetlands & Climate	EESC	GU4835				Peteet			
Stable Isotope Geochemistry	EESC	GU4888							Linsley
Paleoceanography	EESC	GU4920					McManus		
Cenozoic Paleocceanography	EESC	GU4937		Hönisch					Raymo/deMenocal
The Carbon Cycle	EESC	GR6810							
Climate and Society Masters Program Courses									
Course Name	Dept	Course #	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
Dynamics of Climate Variability & Change	EESC	GU5400	Giannini/Anderson			Nissan/Goddard		Nissan/Marvel	
Quantitative Models of Climate-Sensitive Natural & Human Systems	EESC	GU5401	Ting/Mason			Ting/Mason		Ting/Mason	
Managing & Adapting to Climate	EESC	GU5403	Orlove/Vaughan			Orlove		Orlove	
Regional Climate & Climate Impacts	EESC	GU5404		Robertson/Biasutti			Robertson/Biasutti		Robertson/Biasutti
Applications in Climate & Society	EESC	GU5407		Kahn/Kruczkiewicz			Kahn/Kruczkiewicz		Kahn/Kruczkiewicz
Summer Internship: Climate & Society	EESC	S5408			TBD				