

Geosciences teaching plan

Send comments/question to Jess Kapp

5/8/17

(* = >300 seats) (# = ~1000 seats)	Seats in Tier 1:				
(* = >300 seats) (# = ~1000 seats)	Seats in Tier 2:				
Course #	Title	Fall 17	Spring 18	Fall 18	Spring 19
GEOS 170A	A Geological Perspective	Pepper, M.	Pepper, M.	Kapp, J.*	Kapp, J.*
GEOS 170C	Life on Earth	Ji Yeon Shin	Ji Yeon Shin	Ji Yeon Shin	Ji Yeon Shin
GEOS 195D	A Sense of Place		Sheppard & Huckleberry		Sheppard & Huckleberry
GEOS 212	Introduction to Oceanography	Russell *	Gehrels	Russell *	Gehrels
GEOS 216	Dinosaurs	Ji Yeon Shin	Ji Yeon Shin	Ji Yeon Shin	Ji Yeon Shin
GEOS 218	Natural Disasters	Goodman, P. (hybrid)	Goodman, P.	Goodman	Goodman, P.
GEOS 220	Envir Hist of the Southwest	Sheppard	Sheppard	Sheppard	Sheppard
Geos 222	The Beauty of Landscapes	-----	-----	-----	Pelletier
Geos 240	National Parks: A Window Through Earth's Geological Processes (Honors)	Carrapa		Carrapa	
GEOS 251	Physical Geology	Gehrels	Seedorff	Gehrels	Seedorff
GEOS 255	Historical Geology	-----	Kapp, J.	-----	Carrapa
Geos 280	Programming and Data Analysis in the Earth Sciences	Harig and McGuire		Harig and McGuire	
GEOS 300	Earth Surface Processes		McGuire		McGuire
GEOS 302	Stratigraphy and Sedimentation	Cohen	Carrapa	Cohen	TBD
GEOS 304	Structural Geology	Kapp, P.	Davis, G.	Kapp, P.	-----
GEOS 306	Mineralogy	Downs	-----	Downs	-----
GEOS 308	Paleontology	Schmidt, Nan	Flessa	TBD	Flessa
GEOS 322	Introduction to Geophysics	-----	Kiser	-----	Kiser
GEOS 342	History of Earth's Climate	Tierney	-----	Tierney	-----
GEOS 356	Petrology	-----	TBD	-----	Ducea
GEOS 397A	Teaching Geosciences	Kapp, J.	Kapp, J.	Kapp, J.	Kapp, J.
GEOS 400/500	Introduction to Geochemistry	Quade	-----	Quade	-----
GEOS 404B/504B	Ore Deposits Mapping (short course)	Seedorff/Barton	-----	Seedorff/Barton	-----
GEOS 404C/504C	Mineral deposit types (short course)	Seedorff/Barton	-----	Seedorff/Barton	-----
GEOS 405/505	Accessible Earth	Bennett, R. (summer '17)		Bennett, R. (summer '18)	
GEOS 408/508	Tectonic Petrology	-----	-----	Ducea	-----
GEOS 412A/B	Ocean Sciences	-----	Cohen	-----	Tierney

GEOS 414	Geology Field Camp	DeCelles, Carrapa, Ducea, summer '17	-----	Quade, J summer 18	-----
GEOS 415	Geologic Hazards	Baker	-----	Baker	-----
GEOS 417/517	Sedimentary Basin Analysis	-----	-----	-----	DeCelles
GEOS 419/519	Physics of the Earth	-----	-----	-----	-----
GEOS 423/523	Regional Structural Geology	-----	-----	-----	Kapp, P.
GEOS 424A/524A	Space Geodesy	-----	-----	Bennett	-----
GEOS 425/525	Regional Tectonics	-----	-----	-----	-----
GEOS 427/527	Orogenic Systems	-----	Beck	-----	Beck
GEOS 430/530	Chemical Evolution of Earth	-----	-----	-----	-----
GEOS 432/532	Earthquake Seismology	Beck	-----	Beck	-----
GEOS 434A/534A	Exploration Seismology	Johnson	-----	Johnson	-----
GEOS 436/536	Earthquakes and volcanic systems: processes and hazards			Kiser	-----
GEOS 439A/539A	Intro to Dendrochronology	Hughes & Trouet	-----	Hughes & Trouet	-----
GEOS 440/540	Geodynamics	-----	Harig, C.	-----	Harig
GEOS 446/546	Economic Mineral Deposits	Barton	-----	-----	-----
GEOS 450/550	Geomorphology	-----	Pelletier	-----	Pelletier
GEOS 453/553	Glacial and Quat Geology	-----	-----	-----	Baker
GEOS 456/556	Thrust Belts	-----	-----	-----	DeCelles
GEOS 466/566	Stable Isotope Geochem, Paleoclimate	Quade/Dettman	-----	-----	-----
GEOS 469/569	Seismic Data Processing	-----	Johnson		Johnson
GEOS 470L/570L	Volcanology: Laboratory	-----	-----	Seedorff	Seedorff
GEOS 470R/470R	Volcanology: Physical Processes and Petrologic Applications	-----	-----	Seedorff	-----
GEOS 474A/574A	Geochronology & Thermochronology	-----	Reiners	-----	-----
GEOS 477/577	Active Tectonics	-----	-----	-----	-----
GEOS 478/578	Global Change	Cole/Saleska	-----	Cole/Saleska	-----
GEOS 479/579	Intro to Climate Dynamics	-----	Yin	-----	-----
GEOS 481/581	Quat Paly and Plant Macro	-----	-----	-----	-----
GEOS 484/584	Coevolution of Earth and the Biosphere	-----	-----	Quade	-----
GEOS 486/586	Organic Geochemistry		Tierney		
GEOS 489/589	Quaternary Geochronology	-----	-----	-----	Quade
GEOS 497C/597C	Dendrochronology Workshop	-----	Sheppard	-----	Sheppard
GEOS 497E	Prep for Field Camp		G. Davis		G. Davis
GEOS 497I/597I	Practical Dendroclimatology (Tree Ring summer presession)				

GEOS 497J/597J	Dendroarchaeology (Tree Ring summer presession)		Towner		Towner
GEOS 497K/597K	Dendroecology (Tree Ring summer presession)				
GEOS 502	Analytical and Numerical Modeling in Geosciences	Pelletier	-----	-----	-----
GEOS 509	Advanced Petrology	-----	-----	-----	-----
GEOS 512A	Geoarchaeology (ANTH is home)	-----	-----	-----	Holliday
GEOS 514	Quaternary Geology	-----	Holliday	-----	-----
GEOS 528	Crustal Deformation	-----	-----	-----	-----
GEOS 543C	Geologic Best Practices	Seedorff	-----	Seedorff	-----
Geos 543D	Sustainable development and mineral resources				Barton and Poulton
GEOS 544	Advanced Physical Sed	DeCelles	-----	-----	-----
GEOS 561	PaleoIndian origins (ANTH is home)	-----	-----	-----	Holliday
GEOS 567	Inverse Problems in Geophysics	Richardson	-----	Bennett	-----
GEOS 568	Advanced Seismology	-----	-----	-----	-----
GEOS 572	Global Biogeochem Cycles (GC is home)	Leavitt/Brooks	-----	Leavitt/Brooks	-----
GEOS 573	Earth System Modeling	-----	Yin	-----	
GEOS 582	Paleoclimatology	Cole	-----	-----	-----
GEOS 583	Thermodynamics in Earth Sci/Physical Geochemistry	-----	-----	-----	-----
GEOS 585A	Applied Time Series analysis	-----	-----	-----	-----
GEOS 595A	Colloquium				
GEOS 595E	Dendrochronology Colloq.	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)
GEOS 596F	Interpretation of seismic reflection data		Johnson/Sbar		Johnson/Sbar
GEOS 646A	Advanced Ore Deposit Geology	-----	Barton	-----	Barton
GEOS 646B	Advanced Ore Deposit Geology	-----	-----	-----	-----
GEOS 650	Field Studies in Geomorphology	-----	-----	-----	-----