

Geosciences teaching plan

June 1, 2015

Send comments/question to Jess Kapp

(* = >300 seats) (# = ~1000 seats)	Seats in Tier 1:						
(* = >300 seats) (# = ~1000 seats)	Seats in Tier 2:						
Course #	Title	Fall 15	Spring 16	Fall 16	Spring 17	Fall 17	Spring 18
GEOS 170A	A Geological Perspective	Kapp, J.*	Goodman, P.*	Kapp, J.*	Kapp, J.*	Kapp, J.*	Kapp, J.*
GEOS 170C	Life on Earth	Waldrip, R.	Waldrip, R.	-----	-----	-----	-----
GEOS 195D	A Sense of Place		Sheppard &		Sheppard &		Sheppard &
GEOS 212	Introduction to Oceanography	Russell *	Gehrels*	Russell *	Goodman, P.	Russell *	Gehrels
GEOS 218	Natural Disasters	Goodman	Richardson	Goodman	Richardson	Goodman	Richardson
GEOS 220	Envir Hist of the Southwest	Sheppard	Sheppard	Sheppard	Sheppard	Sheppard	Sheppard
GEOS 251	Physical Geology	Gehrels	Gehrels	TBA	Seedorff	Gehrels	Seedorff
GEOS 255	Historical Geology	-----	Carrapa	-----	Carrapa	-----	Carrapa
GEOS 302	Stratigraphy and Sedimentation	Carrapa	-----	Cohen	TBA	Cohen	TBA
GEOS 304	Structural Geology	-----	Davis, G.	Kapp, P.	-----	Kapp, P.	-----
GEOS 306	Mineralogy	Downs	-----	Downs	-----	Downs	-----
GEOS 308	Paleontology	Flessa	Flessa	-----	Flessa	-----	Flessa
GEOS 310	Geosciences Communication						
GEOS 322	Introduction to Geophysics	-----	Bennett	-----	Bennett	-----	Bennett
GEOS 342	Evol Earth, Oceans, Atm	-----	-----	-----	Reiners	-----	Reiners
GEOS 346 & hon	Mineral and Energy Res.	-----	-----	Titely	-----	-----	-----
GEOS 356	Petrology	-----	Ducea	-----	Ducea	-----	Ducea
GEOS 397A	Teaching	Kapp, J.	-----	Kapp, J.	Kapp, J.	Kapp, J.	Kapp, J.
GEOS 400/500	Introduction to Geochemistry	Quade/Steel e-MacInnis	-----	Steele-MacInnis	-----	Steele-MacInnis	-----
GEOS 408/508	Tectonic Petrology	-----	-----	-----	Ducea	-----	-----
GEOS 412A/B	Ocean Sciences	-----	Cole	-----	Cohen/Col	-----	Cohen/Col

GEOS 414	Geology Field Camp	Quade, J. summer '15	-----	DeCelles and Carrapa summer '16	-----	Quade, J. summer '17	-----
GEOS 415	Geologic Hazards	-----	-----	Baker	-----	Baker	-----
GEOS 417/517	Sedimentary Basin Analysis	-----	-----	-----	-----	-----	-----
GEOS 419/519	Physics of the Earth	-----	-----	Richardson	-----	-----	-----
GEOS 423/523	Regional Structural Geology	-----	-----	-----	Kapp, P.	-----	-----
GEOS 424A/524A	Space Geodesy	-----	-----	Bennett	-----	-----	-----
GEOS 425/525	Regional Tectonics	Kapp,P. (7 wks)	-----	-----	-----	Ducea	-----
GEOS 427/527	Orogenic Systems	-----	Beck	-----	Beck	-----	Beck
GEOS 432/532	Earthquake Seismology	Beck	-----	Beck	-----	Beck	-----
GEOS 434A/534A	Exploration Seismology	Johnson	-----	Johnson	-----	Johnson	-----
GEOS 439A/539A	Intro to Dendrochronology	Hughes & Trouet	-----	Hughes & Trouet	-----	Hughes & Trouet	-----
GEOS 446/546	Economic Mineral Deposits	Barton	-----	-----	-----	Barton	-----
GEOS 450/550	Geomorphology	-----	Pelletier	-----	Pelletier	-----	Pelletier
GEOS 453/553	Glacial and Quat Geology	-----	-----	-----	Baker	-----	-----
GEOS 456/556	Thrust Belts	DeCelles (7 wks)	-----	-----	DeCelles	-----	DeCelles
GEOS 462/562	Intro To Quaternary Ecology	-----	-----	-----	-----	-----	-----
GEOS 466/566	Stable Isotope Geochem, Paleoclimate	-----	-----	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	-----	Seedorff	-----
GEOS 474A/574A	Geochronology & Thermochronology	-----	Reiners	-----	-----	-----	Reiners
GEOS 477/577	Active Tectonics	Bennett	-----	-----	-----	Bennett	-----
GEOS 478/578	Global Change	Cole/Saleska	-----	Cole/Overp eck	-----	Cole/Overp eck	-----

GEOS 479/579	Intro to Climate Dynamics	Yin	-----	Yin	-----	Yin	-----
Geos 484/584	Coevolution of Earth and the Biosphere		Quade	-----	-----	-----	Quade
GEOS 489/589	Quaternary Geochronology	Quade/Jull	-----	-----	-----	Quade/Jull	-----
GEOS 497C/597C	Dendrochronology Workshop	-----	Sheppard	-----	Sheppard	-----	Sheppard
Geos 497E	Prep for Field Camp		DeCelles		G. Davis		G. Davis
GEOS 497J/597J	Dendroarchaeology (Tree Ring summer pre-session)		Towner		Towner		Towner
GEOS 502	Analytical and Numerical Modeling in Geosciences	Pelletier	-----	-----	-----	Pelletier	-----
GEOS 504B	Ore Deposits Mapping (short course)	Seedorff/Barton	-----	Seedorff/Barton	-----	Seedorff/Barton	-----
GEOS 504C	Mineral deposit types (short course)	Seedorff/Barton	-----	Seedorff/Barton	-----	Seedorff/Barton	-----
GEOS 514	Quaternary Geology	-----	Holliday	-----	-----	-----	Holliday
GEOS 528	Crustal Deformation	-----	-----	-----	-----	-----	-----
GEOS 543C	Geologic Best Practices	Seedorff	-----	Seedorff	-----	Seedorff	-----
Geos 543D	Sustainable development and mineral resources				Barton and Poulton		Barton and Poulton
GEOS 544	Advanced Physical Sed	-----	-----	-----	-----	-----	-----
GEOS 567	Inverse Problems in Geophysics	Richardson	-----	-----	-----	-----	-----
GEOS 568	Advanced	-----	-----	-----	-----	-----	-----
GEOS 572	Global Biogeochem Cycles (GC is home)	Leavitt/Brooks	-----	Leavitt/Brooks	-----	Leavitt/Brooks	-----
Geos 573	Earth System Modeling		Yin		Yin		Yin
GEOS 582	Paleoclimatology	Cole/Overpeck	-----	Cole/Overpeck	-----	Cole/Overpeck	-----
GEOS 583	Thermodynamics in Earth Sci/Physical Geochemistry	-----	-----	-----	-----	-----	-----
GEOS 585A	Applied Time Series analysis	-----	-----	-----	-----	-----	-----

GESO 595A	Colloquium	MacInnis/Tierney					
GEOS 595E	Dendrochronology Colloq.	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)
GEOS 596E	Recent Progress, and Regress, in Cordilleran Tectonics						
GEOS 596F	Interpretation of seismic reflection		Johnson/Sbar		Johnson/Sbar		Johnson/Sbar
Geos 596G	Geochronology Seminar	Reiners					
Geos 596H	Subduction Seminar	Ducea					
GEOS 646A	Advanced Ore Deposit Geology	-----	Barton	-----	-----	-----	Barton
GEOS 646B	Advanced Ore Deposit Geology	-----	-----	-----	-----	-----	-----
GEOS 650	Field Studies in Geomorphology	-----	-----	-----	-----	-----	-----