

Geosciences teaching plan					
Send comments/question to Jon Patchett		13-Dec-10			
(* = >300 seats) (# = ~1100 seats)	Seats in Tier 1:	600	900	750	750
(* = >300 seats) (# = ~1100 seats)	Seats in Tier 2:	1400	600	600	750
Course #	Title	Spring 11	Fall 2011	Spring 12	Fall 2012
NATS 101	A Geological Perspective	Richardson Fay	Kapp, J.* Jull Fay	Kapp, J.* Fay	Kapp, J.* Fay
NATS 104	Life on Earth	Davis, O.*	Davis, O.*	Davis, O.*	Davis, O.*
GEOS 195D	A Sense of Place	Sheppard & Huckleberry	-----	Sheppard & Huckleberry	-----
GEOS 212	Introduction to Oceanography	Gehrels #	Russell *	Gehrels*	Russell *
GEOS 216	Dinosaurs	-----	-----	-----	Thompson
GEOS 218	Natural Disasters	Reiners Johnson	Beck Pelletier	Zandt Jull	Barton Richardson
GEOS 220	Envir Hist of the Southwest	Towner	Sheppard	Towner	Sheppard
GEOS 251	Physical Geology	Quade	Ducea	Seedorff	Gehrels
GEOS 302	Stratigraphy and Sedimentation	-----	Cohen	-----	Cohen
GEOS 304	Structural Geology	Kapp, P	-----	Davis, G.	-----
GEOS 306	Mineralogy	-----	Downs	-----	Downs
GEOS 308	Paleontology	-----	Flessa/Schmidt	-----	Flessa/Schmidt
GEOS 322	Introduction to Geophysics	Beck	-----	Bennett	-----
GEOS 342	Evol Earth, Oceans, Atm	-----	Reiners	-----	Reiners
GEOS 346 & hon	Mineral and Energy Res.	-----	Titley	-----	Titley
GEOS 356	Petrology	Ganguly	-----	Ganguly	-----
GEOS 397A	Teaching Geosciences	Kapp, J.	Kapp, J.	Kapp, J.	Kapp, J.
GEOS 400/500	Introduction to Geochemistry	-----	Ruiz/Quade	-----	Ruiz/Quade
GEOS 401/501	Earth Science Teach Meth	-----	-----	-----	-----
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 408/508	Tectonic Petrology	-----	-----	Ducea	-----
GEOS 412A	Ocean Sciences	Cohen/Cole	-----	Cohen/Cole	-----
GEOS 414	Geology Field Camp	-----	DeCelles & Quade in Summer '11	-----	Barton & TBD in Summer '12
GEOS 415	Geologic Hazards	-----	Baker	-----	Baker
GEOS 417/517	Sedimentary Basin Analysis	Carrapa	-----	Carrapa	-----
GEOS 419/519	Physics of the Earth	Chase/ Richardson	-----	-----	-----
GEOS 423/523	Regional Structural	-----	-----	-----	Kapp, P
GEOS 424A/524A	Space Geodesy	-----	Bennett	-----	-----
GEOS 425/525	Regional Tectonics	-----	Kapp, P	-----	-----
GEOS 430/530	Chemical Evolution of Earth	Patchett	-----	-----	-----
GEOS 432/532	Earthquake Seismology	-----	Zandt	-----	Beck/Zandt
GEOS 433M/533M	Mining Geology Methods	-----	-----	-----	-----
GEOS 434A/534A	Exploration Seismology	-----	Johnson	-----	Johnson
GEOS 438/538	Biogeography	-----	-----	-----	-----
GEOS 439A/539A	Intro to Dendrochronology	-----	Swetnam	-----	Swetnam
GEOS 440/540	Geodynamics	-----	-----	-----	-----

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GEOS 446/546	Economic Mineral Deposits	Titley	-----	Titley	-----
GEOS 450/550	Geomorphology	Pelletier	-----	Pelletier	-----
GEOS 453/553	Glacial and Quat Geology	Baker	-----	-----	-----
GEOS 456/556	Thrust Belts	-----	-----	-----	DeCelles
GEOS 460/560	Characterization and Identification of Minerals	-----	-----	Downs	-----
GEOS 462/562	Intro To Quaternary Ecology	-----	Davis, O.	-----	-----
GEOS 466/566	Stable Isotope Geochem, Paleoclimate	-----	-----	-----	Quade/Dettman
GEOS 469/569	Seismic Data Processing	-----	-----	Johnson	-----
GEOS 470L/570L	Volcanology: Laboratory	-----	-----	Seedorff	-----
GEOS 470R/470R	Volcanology: Physical Processes and Petrologic Applications	-----	-----	Seedorff	-----
GEOS 474A/574A	Geochronology & Thermochronology	-----	-----	Reiners	-----
GEOS 477/577	Active Tectonics	-----	-----	Beck	-----
GEOS 478/578	Global Change	-----	Cole	-----	Saleska
GEOS 479/579	Climate Dynamics (new name)	-----	Russell/Yin	-----	Russell/Yin
GEOS 481/581	Quat Paly and Plant Macro	-----	-----	-----	Davis, O.
GEOS 489/589	Quaternary Geochronology	-----	Quade/Jull	-----	-----
GEOS 497C/597C	Dendrochronology Workshop	Sheppard	-----	Sheppard	-----
GEOS 497I/597I	Practical Dendroclimatology (Tree Ring summer presession)	Hughes	-----	Hughes	-----
GEOS 497J/597J	Dendroarchaeology (Tree Ring summer presession)	Towner	-----	Towner	-----
GEOS 497K/597K	Dendroecology (Tree Ring summer presession)	Swetnam/Falk /Hughes	-----	Swetnam/Falk /Hughes	-----
GEOS 502	Analytical and Numerical Modeling in Geosciences	-----	-----	-----	-----
GEOS 509	Advanced Petrology	-----	-----	-----	-----
GEOS 512A	Geoarchaeology (ANTH is home)	-----	-----	-----	Holliday
GEOS 514	Quaternary Geology	-----	-----	Holliday	-----
GEOS 427/527	Orogenic Systems	Zandt	-----	-----	-----
GEOS 543C	Geologic Best Practices	-----	Seedorff	-----	Seedorff
GEOS 544	Advanced Physical Sed	-----	DeCelles	-----	-----
GEOS 561	PaleoIndian origins (ANTH is home)	Holliday	-----	-----	-----
GEOS 567	Inverse Problems in Geophysics	-----	Richardson	-----	-----
GEOS 568	Advanced Seismology	-----	-----	-----	-----
GEOS 572	Global Biogeochem Cycles (GC is home)	-----	Leavitt/Brooks	-----	Leavitt/Brooks
GEOS 582	Paleoclimatology	-----	-----	-----	-----
GEOS 583	Thermodynamics in Earth Sci/Physical	-----	-----	Ganguly	-----
GEOS 585A	Applied Time Series analysis	Meko	-----	-----	-----
GESO 595A	Colloquium	Jull/Pelletier	Jull/Pelletier	Jull/Pelletier	Jull
GEOS 595E	Dendrochronology Colloq.	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)
GEOS 646A	Advanced Ore Deposit Geology	-----	Barton	-----	Barton

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GEOS 646B	Advanced Ore Deposit Geology	-----	-----	-----	-----
GEOS 650	Field Studies in Geomorphology	-----	-----	-----	-----