

Geosciences teaching plan					
Send comments/question to Jon Patchett		18-Feb-09			
	Seats in Tier 1: (* = >300 seats)	900	900	900	900
	Seats in Tier 2: (# = ~800 seats from F09)	600	1100	300	1100
Course #	Title	Spring 2009	Fall 2009	Spring 2010	Fall 2010
NATS 101	A Geological Perspective (bold=workshop coordinator)	Kapp, J. Kapp, J. Jull Pima-UA	Kapp, J. Kapp, J. Patchett Pima-UA	Kapp, J. Kapp, J. Richardson Pima-UA	Kapp, J. Kapp, J. Jull Pima-UA
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 #	Gehrels/Russell #	-----	Russell #
GEOS 216	Dinosaurs	-----	-----	-----	-----
GEOS 218	Natural Disasters	Reiners	Beck Davis, G	Zandt*	Davis, G & hon Richardson
GEOS 220	Envir Hist of the Southwest	Towner	Sheppard	Tree Ring Faculty (TBD)	Sheppard
GEOS 251	Physical Geology	Quade	Seedorff	Ducea	Patchett
GEOS 302	Stratigraphy and Sedimentation	-----	Cohen	-----	Cohen
GEOS 304	Structural Geology	Ducea	-----	Kapp, P	-----
GEOS 306	Mineralogy	-----	Downs	-----	Downs
GEOS 308	Paleontology	-----	Flessa	-----	Flessa
GEOS 322	Introduction to Geophysics	Bennett	-----	Bennett	-----
GEOS 342	Evol Earth, Oceans, Atm	-----	Russell/Reiners	-----	Russell/Reiners
GEOS 346 & hon	Mineral and Energy Res.	-----	Titley	-----	Titley
GEOS 356	Petrology	Patchett	-----	Ganguly	-----
GEOS 397A	Teaching Geosciences	Kapp, J.	Kapp, J.	Kapp, J.	Kapp, J.
GEOS 400/500	Introduction to Geochemistry	-----	Ruiz	-----	Ruiz/Quade
GEOS 401/501	Earth Science Teach Meth	-----	-----	-----	-----
GEOS 412A	Ocean Sciences	Cohen/Cole	-----	Cohen/Cole	-----
GEOS 414	Geology Field Camp	-----	DeCelles & Quade in Summer '09	-----	Barton & Ducea in Summer '10
GEOS 415	Geologic Hazards	-----	Baker	-----	-----
GEOS 417/517	Sedimentary Basin Analysis	-----	-----	-----	DeCelles
GEOS 419/519	Physics of the Earth	Richardson/C hase	-----	-----	-----
GEOS 423/523	Regional Structural	-----	-----	-----	Kapp, P
GEOS 424A/524A	Space Geodesy	-----	-----	-----	Bennett
GEOS 425/525	Regional Tectonics	-----	Ducea	-----	-----
GEOS 430/530	Chemical Evolution of	-----	-----	Patchett	-----
GEOS 432/532	Earthquake Seismology	-----	Zandt	-----	Beck
GEOS 433M/533M	Mining Geology Methods	-----	-----	-----	-----
GEOS 434A/534A	Exploration Seismology	-----	Johnson	-----	Johnson
GEOS 438/538	Biogeography	-----	-----	-----	-----
GEOS 439A/539A	Intro to Dendrochronology	-----	Hughes & Swetnam	-----	Hughes & Swetnam
GEOS 440/540	Geodynamics	-----	Chase	-----	Chase
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	-----	-----	-----

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GEOS 459/559	Thermochronology and its Application to Tectonic Change	-----	-----	Reiners	-----
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	-----	Johnson	-----
GEOS 470L/570L	Volcanology: Laboratory	-----	-----	Seedorff	-----
GEOS 470R/470R	Volcanology: Physical Processes and Petrologic Applications	-----	-----	Seedorff	-----
GEOS 477/577	Active Tectonics	-----	Davis, G.	-----	-----
GEOS 478/578	Global Change	-----	Cole/Saleska	-----	Cole/Saleska
GEOS 479/579	Modes of Climate Variability	-----	-----	-----	-----
GEOS 481/581	Quat Paly and Plant Macro	-----	-----	-----	Davis, O.
GEOS 489/589	Quaternary Geochronology	-----	-----	-----	-----
GEOS 497C/597C	Dendrochronology Workshop	Sheppard	-----	Sheppard	-----
GEOS 497I/597I	Practical Dendroclimatology (Tree Ring summer precession)	Hughes	-----	Hughes	-----
GEOS 497J/597J	Dendroarchaeology (Tree Ring summer precession)	Towner	-----	Towner	-----
GEOS 497K/597K	Dendroecology (Tree Ring summer precession)	Swetnam	-----	Swetnam	-----
GEOS 502	Analytical and Numerical Modeling in Geosciences	-----	Pelletier	-----	-----
GEOS 509	Advanced Petrology	-----	-----	-----	Ganguly
GEOS 512A	Geoarchaeology (ANTH is home)	Holliday	-----	-----	-----
GEOS 514	Quaternary Geology	-----	-----	Holliday	-----
GEOS 427/527	Orogenic Systems	Zandt	-----	-----	-----
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	-----	-----	-----	Zandt
GEOS 572	Global Biogeochem Cycles (GC is home)	-----	Leavitt/Brooks	-----	Leavitt/Brooks
GEOS 582	Paleoclimatology	-----	-----	-----	Overpeck/Cole
GEOS 583	Thermodynamics in Earth Sci/Physical	-----	Ganguly	-----	-----
GEOS 585A	Applied Time Series analysis	Meko	-----	Meko	-----
GEOS 595A	Colloquium	Jull/Chase	Jull/Chase	Jull/Pelletier	Jull/Pelletier
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 Geol.	-----	-----	-----	Barton
GEOS 646B	Advanced Ore Deposit Geol.	Barton	-----	-----	-----
GEOS 650	Field Studies in Geomorphology	-----	-----	-----	Pelletier