

Geosciences teaching plan

8/26/20

(* = >300 seats)
 (# = ~1000 seats)

Course #	Title	Fall 20	Spring 21	Fall 21	Spring 22	Fall 22
GEOS 170A	Earth: From Birth to Death	Kapp, J.*	Kapp, J.*	Kapp, J.*	TBD	Kapp, J.*
GEOS 170A1 UArizona Online	Earth: From Birth to Death	-----	Moitra, P.			
GEOS 170C	Life on Earth	-----	-----	-----	-----	-----
GEOS 195D	A Sense of Place		Sheppard & Huckleberry		Sheppard & Huckleberry	
GEOS 212	Introduction to Oceanography	Russell *	Gehrels*	Russell *	Gehrels*	Russell *
GEOS 216	Dinosaurs	-----	-----	-----	-----	-----
Geos 216 UArizona Online	Dinosaurs	Hoffman				
GEOS 218 (hybrid icourse)	Natural Disasters	Goodman, P.	Goodman, P.	Goodman, P.	Goodman, P.	Goodman, P.
Geos 218 UArizona Online	Natural Disasters UArizona Online	Pepper, M.	Pepper, M.			
GEOS 220	Envir Hist of the Southwest	Sheppard	Sheppard	Sheppard	Sheppard	Sheppard
Geos 240	National Parks: A Window Through Earth's Geological Processes (Honors)	-----	-----	Carrapa	-----	-----
GEOS 251	Physical Geology	Gehrels	Kapp, P.	Gehrels	Ibanez- Mejia(?)	Gehrels
GEOS 255	Historical Geology	-----	TBD	-----	TBD	Kapp, J.
GEOS 280	Programming and Data Analysis in the Earth Sciences	McGuire	Lofverstrom (Python)	Harig and McGuire		Harig and McGuire
GEOS 300	Earth Surface Processes	-----	McGuire	-----	Pelletier	-----
GEOS 302	Stratigraphy and Sedimentation	Cohen	-----	Cohen	-----	Cohen
GEOS 304	Structural Geology	Hughes, A.	Hughes, A.	Kapp, P	-----	Hughes, A.
GEOS 306	Mineralogy	Mazdab	-----	Downs	-----	Downs
GEOS 308	Paleontology	-----	Thirumalai & Cohen	-----	Thirumalai & Cohen	-----
GEOS 322	Introduction to Geophysics	-----	Kiser	-----	Kiser	-----
GEOS 342	History of Earth's Climate	Tierney	-----	Tierney	-----	Tierney
GEOS 346	Mineral and Energy Res.	-----	-----	-----	Seedorff (?)	-----
GEOS 356	Petrology	-----	Mallik	-----	Ducea	-----
GEOS 400/500	Introduction to Geochemistry	Quade	-----	TBD	-----	TBD
Geos 405/505	Accessible Earth			Bennett, R. (summer '21)		Bennett, R. (summer '22)
GEOS 408/508	Tectonic Petrology	-----	-----	-----	-----	Ducea
GEOS 412A/B	Ocean Sciences	-----	Tierney	-----	Cohen	-----
GEOS 414	Geology Field Camp		-----	DeCelles, summer '21	-----	DeCelles and Kapp, summer '22

GEOS 415	Geologic Hazards	Baker	-----	Baker	-----	Baker
GEOS 417/517	Sedimentary Basin Analysis	-----	DeCelles	-----	-----	-----
GEOS 419/519	Physics of the Earth	-----	-----	-----	Harig, C.	-----
GEOS 421/521	Petroleum Geology and Geophysics			Hughes		Hughes
GEOS 423/523	Regional Structural Geology	-----	-----	-----	-----	Kapp, P.
GEOS 424A/524A	Space Geodesy	-----	-----	-----	Bennett	-----
GEOS 425/525	Regional Tectonics	-----	-----	Kapp, P.	-----	-----
GEOS 427/527	Orogenic Systems	-----	Beck	-----	Beck	-----
GEOS 430/530	Chemical Evolution of Earth	-----	-----	Ducea	-----	-----
GEOS 432/532	Earthquake Seismology	Beck	-----	Beck	-----	Beck
GEOS 434A/534A	Exploration Seismology	Johnson	-----	Johnson	-----	Johnson
GEOS 436/536	Earthquakes and volcanic systems: processes and hazards	-----	-----	-----	-----	Kiser
GEOS 437/537	Intro to Earth System Modeling			Lofverstrom		
GEOS 439A/539A	Intro to Dendrochronology	Hughes & Trouet	-----	Hughes & Trouet	-----	Hughes & Trouet
GEOS 440/540	Geodynamics	-----	Harig	-----	-----	-----
GEOS 446/546	Economic Mineral Deposits	-----	-----	Barton	-----	-----
GEOS 450/550	Geomorphology	Pelletier	-----	-----	-----	-----
GEOS 453/553	Glacial and Quat Geology	-----	Baker	-----	-----	-----
GEOS 456/556	Thrust Belts	-----	-----	-----	-----	DeCelles
GEOS 460/560	Characterization and Identification of Minerals	-----	Downs (Crystallography)	-----	-----	-----
GEOS 466/566	Stable Isotope Geochem, Paleoclimate	-----	-----	Quade & Thirumalai	-----	-----
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	-----	Bennett & Hughes	-----	-----	-----
GEOS 478/578	Global Change	Russell & Saleska	-----	TBD/Saleska	-----	TBD/Saleska
GEOS 479/579	Intro to Climate Dynamics	-----	Yin	-----	Yin	-----
GEOS 481/581	Quat Paly and Plant Macro	-----	-----	-----	-----	-----
GEOS 484/584	Coevolution of Earth and the Biosphere	-----	-----	-----	-----	-----
GEOS 486/586	Organic Geochemistry	-----	-----	-----	Tierney	-----
GEOS 487/587	Physical and Dynamical Oceanography	Yin				Yin
GEOS 489/589	Quaternary Geochronology	-----	-----	-----	TBD	-----

GEOS 497C/597C	Dendrochronology Workshop	-----	Sheppard	-----	Sheppard	-----
GEOS 497J/597J	Dendroarchaeology (Tree Ring summer pre-session)		Towner		Towner	
GEOS 502	Analytical and Numerical Modeling in Geosciences	-----	-----	Pelletier	-----	-----
GEOS 504B	Ore Deposits Mapping (short course)	-----	-----	Seedorff & Barton	-----	Seedorff & Barton
GEOS 504C	Mineral deposit types (short course)	-----	-----	Seedorff & Barton	-----	Seedorff & Barton
GEOS 509	Advanced Petrology	-----	-----	-----	-----	-----
GEOS 512A	Geoarchaeology (ANTH is home)	-----	-----	-----	-----	Holliday
GEOS 514	Quaternary Geology	-----	-----	-----	Holliday	-----
GEOS 543C	Geologic Best Practices	Seedorff	-----	Seedorff	-----	Seedorff
GEOS 544	Advanced Physical Sed	DeCelles	-----	-----	-----	-----
GEOS 561	PaleoIndian origins (ANTH is home)	-----	Holliday	-----	-----	-----
GEOS 567	Inverse Problems in Geophysics	Bennett	-----	-----	-----	Bennett
GEOS 568	Advanced Seismology	Kiser	-----	-----	-----	-----
GEOS 572	Global Biogeochem Cycles (GC is home)	-----	-----	Leavitt & Brooks	-----	Leavitt & Brooks
GEOS 573	Earth System Modeling	-----	-----	-----	-----	TBD
GEOS 582	Paleoclimatology	Thirumalai	-----	-----	-----	Thirumalai
GEOS 595A	Colloquium					
GEOS 595E	Dendrochronology Colloq.	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)	Tree Ring Faculty (TBD)
GEOS 646B	Advanced Ore Deposit Geology	-----	-----	-----	-----	-----
GEOS 650	Field Studies in Geomorphology	-----	Pelletier	-----	McGuire	-----