

EEAS

The following schedule is a tentative rotation for the courses offered by the Department of Earth, Environmental, and Atmospheric Sciences at the main campus. Rotation may be changed due to demand or staffing.

Course Information		Semesters Offered		
Number	Course Name	Fall	Spring	Notes
GEOG 103	Our Dynamic Planet	x	x	Annual
GEOG 110	World Regional Geography	x	x	Annual
GEOG 175	University Experience-EEAS	x		Annual
GEOG 200	Latin American Society: Past and Present	x		Annual
GEOG 210	Environment and Ecological Policy	x		Odd Years
GEOG 225	Visualizing Geography		x	Odd Years
GEOG 226	Our Dangerous Planet	x	x	Annual
GEOG 227	Our Vulnerable Planet		x	Odd Years
GEOG 275	Applied Independent Research	x	x	As Needed
GEOG 280	Environmental Science and Sustainability	x	x	Annual
GEOG 295	Introduction to Research Methodology	x	x	As Needed
GEOG 300	Writing in the Geosciences	x	x	Annual
GEOG 310	Global Hydrology		x	Odd Years
GEOG 328	Elements of Biogeography		x	Even Years
GEOG 330	Introduction to Cultural Geography	x	x	Annual
GEOG 344	Environmental Ethics		x	Odd Years
GEOG 350	Economic Geography			As Needed
GEOG 352	Geography of Kentucky	x	x	Annual
GEOG 360	Geography of North America	x	x	On Demand
GEOG 364	Geography of Europe	x	x	As Needed
GEOG 378	Food, Culture, and Environment	x		Even Years
GEOG 380	Global Sustainability		x	Annual
GEOG 385	Climate, Resources, & Society	x		Odd Years
GEOG 386	Geography of Potent Potables:		x	Annual
GEOG 391	Geoscience Data Analysis	x	x	Annual
GEOG 420	Geomorphology		x	Odd Years
GEOG 427	Water Resource Management	x		Odd Years
GEOG 430	Topics in Cultural Geography	x	x	As Needed
GEOG 452	Applied Geoscience Field Experience		x	Study Abroad
GEOG 455	Global Climate Change	x		Even Years
GEOG 459	Advanced Hydrology	x		Odd Years
GEOG 461	Karst Environments		x	Odd Years
GEOG 465	Geography of East Asia	x		Annual
GEOG 471	Technological Applications in Natural Resource Mang.		x	Even Years
GEOG 474	Applied Environmental Planning	x		Even Years
GEOG 475	Selected Topics in Environment, Geography & Sustain.	x	x	As Needed
GEOG 480	Sustainable Cities	x		Odd Years

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Number	Course Name	Fall	Spring	Notes
GEOG 481	Tourism Geography			As Needed
GEOG 486	Seminar in Environmental Science & Sustainability	x	x	As Needed
GEOG 487	Environmental Management & Law	x		Odd Years
GEOG 489	Alternatives in Sustainability	x	x	As Needed
GEOG 492	Advanced Geospatial Analytics		x	Annual
GEOG 495	Applied Research, Independent Study, or Internship	x	x	As Needed
GEOG 499	Profession Preparation	x		Annual
GEOL 111	The Earth	x	x	Annual
GEOL 112	Earth's Past and Future	x	x	Annual
GEOL 113	The Earth Lab	x	x	Annual
GEOL 114	Earth's Past and Future Lab	x	x	Annual
GEOL 250	Environmental Geology	x	x	Annual
GEOL 301	Earth's Climate in Time	x		Annual
GEOL 305	Earth System Science for Teachers		x	Odd Years
GEOL 310	Global Hydrology		x	Odd Years
GEOL 311	Oceanography		x	Even Years
GEOL 350	Mineralogy & Petrology		x	Odd Years
GEOL 360	Sedimentology & Stratigraphy		x	Even Years
GEOL 380	Field Techniques	x		Odd Years
GEOL 399	Research Problems in Geology	x	x	As Needed
GEOL 408	Structural Geology	x		Even Years
GEOL 415	Applied Environmental Geology	x		Even Years
GEOL 420	Geomorphology		x	Odd Years
GEOL 440	Hydrogeology	x		Even Years
GEOL 445	Aqueous Geochemistry		x	Odd Years
GEOL 455	Field Geology	x	x	As Needed
GEOL 465	Geophysics		x	Even Years
GEOL 470	Tectonics		x	Even Years
GEOL 475	Special Topics in Geology	x		Odd Years
GEOL 499	Professional Development	x		Annual
GISC 216	Geotech in a Global Community	x		Annual
GISC 316	Geographic Information Systems I	x		Annual
GISC 317	Geographic Information Systems II		x	Annual
GISC 417	GIS Analysis & Modeling	x		Annual
GISC 414	Remote Sensing Fundamentals		x	Odd Years
GISC 418	Web Applications in GIS		x	Every 3 Years
GISC 419	GIS Programming		x	Annual
GISC 423	GIS and Location Analytics	x		Every 3 Years
GISC 443	GIS Databases	x		Every 3 Years
GISC 477	Special Topics in GIS	x	x	As Needed
METR 121	Meteorology	x	x	Annual

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Course Information		Semesters Offered		
Number	Course Name	Fall	Spring	Notes
METR 121H	Meteorology Honors	x		Annual
METR 122	Aviation Meteorology		x	Annual
METR 322	Global Climate Systems	x		Odd Years
METR 324	Weather Analysis and Forecasting		x	Annual
METR 325	Meteorological Instrumentation and Measurement	x		Even Years
METR 326	Applied Meteorology/Climatology	x		Annual
METR 335	Satellite/Radar Meteorology	x		Odd Years
METR 422	Physical Climatology		x	Odd Years
METR 424	Severe Weather Analysis and Forecasting			Every Summer
METR 425	Field Methods in Severe Weather Analysis & Forecasting			Every Summer
METR 430	Meteorological Computing	x		Even Years
METR 431	Dynamic Meteorology I	x		Odd Years
METR 432	Synoptic Meteorology	x		Even Years
METR 433	Dynamic Meteorology II		x	Even Years
METR 437	Mesoscale Meteorology		x	Odd Years
METR 438	Physical Meteorology		x	Even Years
METR 439	Atmospheric Modeling	x	x	As Needed
METR 460	Climate Teleconnections		x	Odd Years
METR 475	Selected Topics in Meteorology	x	x	As Needed
GEOS 500	Geoscience Research and Literacy	x		Annual
GEOS 501	Seminar in Geoscience	x	x	As Needed
GEOS 502	Geoscience Research Methods	x		Annual
GEOS 505	Biogeography		x	Even Years
GEOS 506	Seminar in Environmental Science & Sustainability	x	x	As Needed
GEOS 507	Geography for Teachers			Summer
GEOS 510	Selected Topics in Geoscience	x	x	As Needed
GEOS 515	Remote Sensing Applications		x	Odd Years
GEOS 517	Spatial Databases	x		Every 3 Years
GEOS 520	Geoscience Statistical Methods		x	Annual
GEOS 521	Seminar in Geomorphology		x	Odd Years
GEOS 522	Seminar in Physical Climatology		x	As Needed
GEOS 523	Geoprocessing & GIS Applications	x		
GEOS 525	Seminar in Political Geography			As Needed
GEOS 526	Applied Meteorology and Climatology	x		Annual
GEOS 530	Seminar in Cultural Geography	x	x	As Needed
GEOS 531	Seminar in Dynamic Meteorology I	x		As Needed
GEOS 533	Seminar in Synoptic Meteorology	x		As Needed
GEOS 535	Seminar in Dynamic Meteorology II		x	As Needed
GEOS 537	Seminar in Mesoscale Meteorology		x	As Needed
GEOS 538	Seminar in Physical Meteorology		x	As Needed

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GEOS 545	Aqueous Geochemistry		x	Odd Years
GEOS 560	Environmental Geology	x		Even Years
GEOS 561	Hydrogeology	x		Even Years
GEOS 565	Geophysics		x	Even Years
GEOS 570	Tectonics		x	Even Years