

Environmental Course Offerings for Spring 2024

as of 11/5/2023

The list is suggestive not permissive, and not a license to take any particular course to fulfill your major/minor. Approved programs of study in ESTD are individual, and are negotiated between you and the ESTD advisor (P. Whit). Check with course instructors to assure suitability and permission if you lack prerequisites. Check SIS system for updates on USNA, USSO, USSY courses, which are subject to late additions and deletions. Courses in **Bold** can satisfy ESTD distribution requirements. Consult with ESTD advisor Peter Whiting

Subject #	Title	Day	Time	Instructor	Hrs
ANTH 102	Being Human	MW	3:20-4:35	I. Dasgupta	3
ANTH 102	Being Human	TR	1:00-2:15P	M. Goldstein	3
ANTH 303	Interdisciplinary Sol'n for Global Health	TR	8:30-9:45A	J. McGrath	3
BIOL 214	Genes, Evolution, Ecology	MW	12:45-2:00P	J. Bader	3
BIOL 304	Fitting Models to Data	TR	2:30-3:45P	R. Snyder	3
BIOL 306	Mathematical Analysis of Biological Models	TR	10:00-11:15	R. Snyder	3
BIOL 309	Field Study in Namibia (+F 9:20-10:20)		tba	C. Cullis	3
BIOL 338	Ichthyology (+Weds lab)	MW	12:45-2:00P	R. Oldfield	3
BIOL 343	Microbiology (+ Fri lab)	TR	11:30-12:45	P. Pokala	3
BIOL 358	Animal Behavior (+ Fri lab)	TR	1:00-2:15P	R. Benevides	3
BIOL 432	Statistical Methods II (also PQHS, MPHP)	TR	1:00-2:15P	T. Love	3
COGS 377	Ecopsychology	W	2:30-5:30	F Parrill	3
ECON 102	Microeconomics (multiple offering)	various	various	various	3
ECON 103	Macroeconomics (4 sections)	various	various	various	3
ECON 216	Data Visualization in R	TR	1:00-2:15P	D. Clingingsmith	3
ECON 326	Econometrics	MW	3:20-4:35 +lab	D. Shoag	4
ECON 367	Industrial Strategy	MW	12:45-2	S. Helper	3
ECON 368	Environmental Economics	MW	9-10:15	S. Helper	3
EEPS 115	Oceanography	MWF	10:35-11:25	A. Omta	3
EEPS 202	Global Environmental Problems	TR	4:50-6:05	S. Hardy	3
EEPS 210	Earth History: Time, Tectonics, Climate, Life	TR	4-5:15	T. Babila	3
EEPS 260	Climate Change Physics (+PHYS) ⁴	MWF	4:25-5:15P	C. Taylor	3
EEPS 317	Intro to Field Methods (+ spring break trip)	TuTh	11:30-12:45	B. Saylor	3
EEPS 352	Biogeochemistry	TR	10-11:15	A. Colman	3
ESTD 101	Intro to Environmental Thinking	MWF	3:20-4:10	A. Omta	3
ESTD 202	Global Environmental Problems	MW	4:50-6:05P	S. Hardy	3
HSTY 245	History of Capitalism ²	T	4:00-6:30P	T. Steinberg	3
HSTY 294	History of Nature	MWF	10:35-11:25	A. Rothman	3
INTH 301	Fundamentals Global Health	T	2:30-5:00P	P. Zimmerman	3
MATH 201	Linear Algebra	MWF	2 sections	L Tran	3
MATH 224	Differential Equations	var	various	staff	3
MATH 432	Numerical Differential Equations	TR	1-2:15	L. Zhao	3
MPHP 429	Intro to Environmental Health	T	5:30-8:00P	K. Mulloy	3
MPHP 441	Climate Change and Health	W	2:15-5:15	A. Sehgal	3
NTRN 340	Global Food Systems: Environmental Issues	MWF	10:35-11:25	J. Swain	3
PHIL 309	Climate Justice	W	7-9:30	J. Bendik-Keymer	3
POSC 357	Economy, Environment, Health & Democracy	MW	3:20-4:35	K. McMann	3
POSC 371	Natural Resources & World Politics ³	TR	11:30-12:45	P. Moore	3
POSC 387	Environmental Justice	MW	3:20-4:35	M Hodgetts	3
PQHS 471	Machine Learning & Data Mining	TR	2:30-3:45P	H. Feng	3
SOCI 255	Race, Climate Change, & Environ Justice	MW	3:20-4:35	C. Claytor	3
STAT 201	Statistics for Soc & Life Sci	TR	various	staff	3
STAT 312	Statistics for Engr & Sci (+ using R)	TR	various	staff	3
STAT 326	Multivariate Analysis & Data Mining	TR	MW 12:45-2	D. Soale	3

Subject #	Title	Day	Time	Instructor	Hrs
USNA 287J	Transportation in American Life	TR	11:30-12:45P	H. Maier	3
USNA 287S	Society & Natural Resources	MW	6:20-7:35P	S. Hardy	3
USNA 288B	The Green Energy Transformation	TR	2:30-3:45	P. Yang	3
USNA 290H	Our Technological Future(s)	MW	4:50-6:05	M. Rager	3
USSO 288B	Doing Good: Non-Profits Change Lives	TR	10-11:15	C. Henry	3

These **Engineering** courses are good electives, but may have prerequisites. Check with instructors.

DSCI 332	Spatial statistics For Modeling	TR	10:00-11:15	J. Yarus	3
DSCI 353	Data Science: Modeling& Prediction	TR	11:30-12:45	R. French	3
ECIV 330	Soil Mechanics (+ 2 hr lab)	MW	9:30-10:20A	H Suh	4
ECIV 351	Engr. Hydraulics & Hydrology	TR	5:30-6:45P	TBA	3
ECIV 362	Solid & Hazardous Waste Management	MF	7:30-8:45A	M. Schmidt	3
ECIV 368	Environmental Engineering (+lab)	MW	11:40-13:30P	H. Zhang	3
ECSE 216	Fundamental System Concepts	TR	8:30-9:45A	S. Sreenath	3
EMAE 252	Fluid Mechanics	MWF	11:40-12:30P	S. Hostler	3
ENGR 225	Thermo, Fluids, Heat Transfer	var	various	tba	4

Some courses, like the Math and Statistics courses, and ECON 216 have no explicit environmental content, but the techniques learned in them are used all the time by environmental scientists. Check with instructors to see if you have the required background. Don't fear the 4xx designation of the PQHS/ BIOL stat course. It is an applied two semester sequence, and you'll typically want to take the fall semester course first.

¹ can satisfy either the ESTD Humanities or Social Science distribution requirement, but not both

² can be used this semester to satisfy the ESTD Humanities distribution requirement

³ can be used this semester to satisfy the the ESTD Social Science distribution requirement

⁴ can be used this semester to satisfy the ESTD Science distribution requirement