

Environmental Course Offerings for Spring 2020

The list is suggestive not permissive, and not a license to take any particular course to fulfill your major/minor. Programs of study are individual and negotiated between you and the ESTD advisor (McCall)). 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** will satisfy ESTD distribution requirements this semester. Courses in italics are required for the ESTD major.

Subject #	Title	Day	Time	Instructor	Credits
ANTH 102	Being Human	MW	12:45-2:00P	K. Almieda	3
ANTH 102	Being Human	TR	1:00-2:15P	M. Goldstein	3
ARTH 382	Art, Eco-criticism, Environment^d	TR	2:30-3:45P	A. Rager	3
BIOL 214	Genes, Evolution, Ecology	MW	12:45-2:00P	J. Bader	4
BIOL 223	Vertebrate Biology (+lab req)	T	1:00-3:45P	R. Drushel	4
BIOL 225	Evolution (crosslisted in many depts)	W	2:15-4:45P	P. Princehouse	3
BIOL 304	Fitting Models to Data	TR	2:30-3:45P	R. Snyder	3
BIOL 309	Field Studies - Namibia^a	T	8:30-9:45A	C. Cullis	3
BIOL 314	Tree of Life, Methods	MW	12:45-2:00P	J. Moriuchi	3
BIOL 338	Ichthyology (+Weds lab)	W	2:15-5:15P	R. Oldfield	3
BIOL 342	Parasitology	TR	10:00-11:15A	E. Jolly	3
BIOL 343	Microbiology	MWF	11:40-12:30P	D. Kube	3
BIOL 357	Backyard Behavior	TR	2:30-3:45P	R. Ritzmann	3
BIOL 358	Animal Behavior	TR	1:00-2:15P		3
BIOL 432	Statistical Methods II (also PQHS)	TR	1:00-2:15P	T. Love	3
CHEM 340	Solar Energy Conversion	MW	12:45-2:00P	G. Sauve	3
ECON 102	Principles of Microeconomics		various	various	3
ECON 326	Econometrics	MW	3:20-4:35P	D. Shoag	3
ECON 368	Environmental Economics	MW	9:00-10:15	S. Helper	3
ECON 395	Economy in 20th Century	TR	11:30-12:45P	J. Hawkins	3
EECS 342I	Global Issues, India^b	tba	May travel	S. Sreenath	3
EEPS 110	Physical Geology	TR	10:00-11:15	N. Sutfin	3
EEPS 202	Global Environmental Problems	TR	2:30-3:45P	S. Giri	3
EEPS 210	Earth History: tectonics, climate, life	MWF	3:20-4:10	P. McCall	3
EEPS 225	Evolution	W	2:15-4:45P	P. Princehouse	3
EEPS 321	Hydrogeology	TR	4:00-5:15	N. Sutfin	3
EEPS 350	Geochemistry	TR	10:00-11:15	J. Van Orman	3
EEPS 352	Biogeochemistry	TR	8:30-9:45	S. Giri	3
ESTD 101	Intro to Environmental Thinking	MW	12:45-2:00P	P. McCall	3
ESTD 202	Global Environmental Problems	TR	2:30-3:45P	N. Sutfin	3
ESTD 382	Art and Environment^d	TR	2:30-3:45P	A. Rager	3
ESTD 388	Politics & Global Environment	MWF	11:40-12:30 P	M. Hodgetts	3
HSTY 207	Philosophy of Science	TR	10:00-11:15P	C. Haufe	3
HSTY 201	Science in Western Thought I	TR	11:30-12:45	A. Rothman	3
HSTY 378	North American Enviro- History	TR	11:30-12:45P	T. Steinberg	3
INTH 301	Fundamentals of Global Health	T	2:30-5:00P	P. Zimmerman	3
MATH 201	Linear Algebra	MWF	9:30-10:20A	staff	3
MATH 224/228	Differential Equations	var	various	staff	3
MATH 338	Dynamical Systems	TR	10:00-11:15A	staff	
NTRN 340	Global Food: Environmental Issues	MWF	10:35-11:25	J. Swain	3
PHIL 305	Ethics	MW	3:20-4:35P	S. French	3
POSC 388	Politics & Global Environment	MWF	11:40-12:30 P	M. Hodgetts	3
PQHS 426	GIS for Health & Social Sciences	WF	10:30-12:00P	A, J Curtis	
PQHS 432	Statistical Methods II	TR	1:00-2:15P	T. Love	
PQHS 471	Machine Learning & Data Mining	TR	2:30-3:45P		3
STAT 201	Statistics for Soc & Life Sci	TR	various	staff	3
STAT 312	Statistics for Engr & Sci	TR	various	staff	3
STAT 326	Multivariate Analysis & Data Mining	TR	2:30-3:45P	staff	3

Subject #	Title	Day	Time	Instructor	Credits
USNA 287D	Native American Environmentalism	MW	various	S. Dominguez	3
USNA 287J	Transportation in American Life	TR	various	various	3
USNA 287S	Society & Natural Resources	TR	4:00-5:15	S. Hardy	3
USNA 288N	Engineering Water	MWF	11:40-12:30P	S. Collins	3
USNA 289D	Environment & Social Justice	TR	various	E. Chilton	3
USNA 289Q	Impact of Plastics in Textiles	TR	1:00-2:15P	S. Khani	3
USNA 289R	Science on Trial	TR	11:30-12:45P	A. Rothman	3
USSO 286L	Exploring Non-profit Organizations	TR	10:00-11:15	B. Clemenson	3
USSO 288B	Non-Profits Change Lives	TR	11:30-12:45P	C. Henry	3
USSO 289K	Justice in Globalizing Environments	MW	12:45-2:00P	P. Hanson	3
USSO 290S	Cultural Ecology & Sustainability	TR	1:00-2:15	R. Smith	3
USSO 291L	Food, Agriculture, Society	MW	9:30-10:20A	N. Fejes	3
USSO 292A	What Makes People Happy	MW	12:45-2:00P	J. Butler	3
USSY 292N	Climate Change in Fiction & Film	MWF	11:40-12:30	M. Burkhart	3
USSY 292N	Climate Change in Fiction & Film	MWF	3:20-4:10P	M. Burkhart	3
USSY 294A	Wild Man Within & Without	TR	1:00-2:15P	J. Newlin	3
USSY 294H	Mapping Spaces: Place in Literature	TR	11:30-12:45P	K. Kelley	3

The following **Engineering** courses are good electives, but may come with prerequisites. Check with instructors.

ECIV 330	Soil Mechanics (+lab)	MW	9:30-10:20A	X. Yu	4
ECIV 351	Engr. Hydraulics & Hydrology	MWF	5:30-6:45P		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
EMAE 355	Design of Fluid/Thermal Elements	MWF	3:20-4:10P	S. Hostler	3
ENGR 225	Thermo, Fluids, Heat Transfer	var	various	A. Abramson	4

The Math and statistics courses 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.

^a can satisfy the ESTD Science distribution requirement this year

^b foreign travel version of EECS 342. Contact Prof. Sree Sreenath <n.sreenath@case.edu> for details

^c can satisfy either the ESTD Humanities or Social Science distribution requirement this year, but not both

^d can satisfy the ESTD Humanities distribution requirement this year