

Environmental Course Offerings for Fall 2019

The list is suggestive, not permissive, and not a license to take any particular course to fulfill the ESTD major. Individual Programs of electives are negotiated between you and the ESTD advisor (McCall)). Check w course instructors to assure suitability/prerequisites of a class. Check SIS system for updates on USNA,USSO,USSY courses, which are subject to late additions and deletions

Courses in bold font satisfy ESTD distribution or core requirements this semester. Italics indicate an ESTD required course

Subject #	Title	Instructor	Day	Time
ANTH 102	Being Human : Intro to cultural anthropology	Melvyn Goldstein	T/R	1:00-2:15 PM
ANTH 102	Being Human : Intro to cultural anthropology	Katia Almeida	MWF	12:45-2:00 PM
ANTH 103	Introduction to Human Evolution.	Lawrence Greiska	T/R	10:00 - 11:15 AM
ANTH 107	Archeology: An Introduction	Jim Shaffer	T/R	10:00 - 11:15 AM
ANTH 319	Statistical Analysis in the Social Sciences	Lawrence Greska	T/R	11:30-12:45 PM
ANTH 382 ^a	Anth/Ecol Perspectives Natural World	Richard Smith	T/R	2:30-3:45 PM
BIOL 114	Principles of Biology (non-majors)	Dianne Kube	MWF	11:40 - 12:30 PM
BIOL 214	Genes, Evolution, Ecology	Michael Bernard	MW	3:20-4:35 PM
BIOL 306	Dynamics of Biological Systems, II Math Biol	Robin Snyder	T/R	10:00-11:15 AM
BIOL 309	Biology Field Study: Costa Rica	Ron Oldfield	tba	tba
BIOL 318	Entomology (w Friday lab)	Gavin Svensen	MW	12:45-2:00 PM
BIOL 336	Aquatic Biology	Deborah Harris	T/R	10:00-11:15AM
BIOL 339	Aquatic Biology Lab	D. Harris	W	2:15-5:15 PM
BIOL 351	Principles of Ecology	Jean Moriuchi	MWF	9:30-10:20 AM
BIOL 353	Ecophysiology of Global Change (Mon lab)	Sarah Diamond	M	2:15-5:15 PM
ECON 102	Principles of Microeconomics	six sections		
ECON 103	Principles of Macroeconomics	three sections		
ECON 330	Economic Behavior & Psychology	Roman Sheremeta	T/R	10:00-11:15 AM
ECON 375	Economics of Developing Countries	staff	MWF	2:15 - 3:05 PM
EEPS 110	Physical Geology	James Van Orman	T/R	1:00-2:15 PM
EEPS 117	Weather & Climate	Peter Whiting	T/R	10:00 - 11:15 AM
EEPS 119	Geology Laboratory	Steve Hauck	W	2:15-5:05 PM
EEPS 303	Environmental Law	Peter McCall	MW	3:20-4:05 PM
EEPS 305	Geomorphology & Remote Sensing (W lab)	Nicolas Sutfin	MW	12:45-2:00 PM
EEPS 321	Hydrogeology	Steven Hauck	MWF	9:30-10:20 AM
ESTD 303	Environmental Law	Peter McCall	MW	3:20-4:35 PM
ESTD 398/399	Seminar in Environmental Studies	Peter McCall	R	4:00-6:30 PM
HSTY 152	Technology in America	E. Rabinovitch-Fox	MW	3:20-4:35 PM
HSTY 201	Science in Western Thought	A. Rthman	MWF	11:40-12:30 PM
HSTY 204	Introduction to Nonprofit Sector	Elise Hagesfeld	T/R	2:30-3:45 PM
INTH 315	Water Security and Social Justice in Brazil	E. Blanton	Sat	1:00-5:00 PM
MATH 201	Linear Algebra Applications	two sections	T/R	
MATH 224	Elementary Differential Equations	various	various	
MATH 376	Mathematical Analysis of Biological Models	Robin Snyder	T/R	10:00 - 11:15 AM
RLGN 152	Introducing Buddhism	William Deal	MW	3:20-4:35 PM
RLGN 272	Morality & Mind	William Deal	MW	12:45-2:00 PM
SOCI 113	Critical Problems in Society	staff	T/R	830-9:45 AM
STAT 201,312, 312R	Statistics for Life Sci or Sci/Engr	multiple sections		
STAT 325	Data Analysis and Linear Models	staff	T/R	11:30-12:45 PM

UCAP 395A ^d	Sages Capstone - Engage Cleveland	Elizabeth Banks	tba	tba
USNA 287C	Animal & Humans: making sense of the bond	Ron Oldfield	MWF	10:35-11:25 AM
USNA 287S	Society & Natural Resources	staff	MW	4:50-6:05 PM
USSO 288Y ^b	The Secret History of Corporate America	Theodore Steinberg	T/R	4:00-5:15 PM
USSO 289P	Polar Regions in History	Elizabeth Todd	T/R	2:30- 3:45 PM

The following Engineering courses are good electives but may come with pre-requisites; check with instructors.

DSCI 351	Exploratory Data Science	Roger French	T/R	11:30-12:45 PM
EECS 324	Modeling/Simulation of Dynamical Systems	Vira Changkong	T/R	1:00 - 2:15 PM
EECS 342	Introduction to Global Issues	Sree Sreenath	T	7:00- 9:30 PM
EECS 374	Advanced Control & Energy Systems	staff	M	6:00-8:30 PM
ECIV 461	Environmental Engineering Biotechnology	Kurt Rhoads	MW	3:20-4:35 PM
ECH 360	Transport Phenomena for Chemical Systems	Donald Feke	MWF	11:40- 12:30 PM
ENGR 225	Thermodynamics, Fluid Dynamics	R. Sankaran	various	several sections
EMSE 349	Materials for Energy & Sustainability	Mark Deguire	MWF	10:35-11:25 AM

The following are Medical school courses that may be open to you; contact instructor.

PQHS 431	Statistical Methods I	teo sections	T/R	various
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The MATH and some of the engineering courses (EMAE/ENGR) have no explicit environmental content, but the techniques learned in them are used all the time by environmental scientists. The same is true for the Statistics courses. Contact the instructors to see if you have the necessary background to succeed in courses for which there may be suggested prerequisites. The EPBI courses are 2 semester sequences and start in the Fall.

^a satisfies the ESTD Social Science distribution requirement this year

^b satisfies the ESTD Humanities distribution requirement this year

^c satisfies either the ESTD Social Science or Humanities requirement, but not both

^d Sages-approved senior Capstone, also approved for ESTD. (UCAP 390 offered in Spring). Contact <ewb@case.edu> for info.