

PH.D. IN ECOLOGY, HUMAN-ENVIRONMENT INTERACTIONS SPECIALIZATION

Graduate Degree Program in Ecology

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Requirements Effective Fall 2019

Code	Title	Credits
REQUIRED COURSES		
ANTH 530	Human-Environment Interactions	3
ECOL 505	Foundations of Ecology	3
ECOL 571	Advanced Topics in Ecology	2
ECOL 592	Interdisciplinary Seminar in Ecology	2
ECOL 693	Research Seminar	1
Ecology Fundamentals (Select a minimum of 6 credits.)¹		6
BZ 525	Advanced Conservation & Evolutionary Genomics	
BZ 526/BSPM 526	Evolutionary Ecology	
BZ 535	Behavioral Ecology	
BZ 548	Theory of Population and Evolutionary Ecology	
BZ 555	Reproductive Biology of Higher Plants	
BZ 578/MIP 578	Genetics of Natural Populations	
ECOL 600	Community Ecology	
ECOL 610	Ecosystem Ecology	
ECOL 620	Applications in Landscape Ecology	
ESS 575	Models for Ecological Data	
ESS 660	Biogeochemical Cycling in Ecosystems	
FW 662	Wildlife Population Dynamics	
HORT 576	Advanced Environmental Plant Stress Physiology	
Human-Environment Interactions Fundamentals (Select a minimum of 3 credits)¹		3
ANTH 515	Culture and Environment	
ANTH 529	Anthropology and Sustainable Development	
ANTH 535	Globalization and Culture Change	
ANTH 540	Medical Anthropology	
ANTH 545	Global Mental Health—Theory and Method	
ANTH 555	Paleoindian Archaeology	
ANTH 571	Anthropology and Global Health	
ANTH 572	Human Origins	
NR 625	Community-Based Natural Resource Management	

POLS 739	International Environmental Politics	
SOC 668	Environmental Sociology	
Quantitative Ecology Tools (Select a minimum of 3 credits)¹		3
GR 503/NR 503	Remote Sensing and Image Analysis	
NR 523/STAT 523	Quantitative Spatial Analysis	
NRRT 765	Applied Multivariate Analysis	
STAT 511A	Design and Data Analysis for Researchers I: R Software	
or STAT 511B	Design and Data Analysis for Researchers I: SAS Software	
STAT 512	Design and Data Analysis for Researchers II	
STAT 544	Biostatistical Methods for Quantitative Data	
Quantitative Ecology Tools (Select a minimum of 3 credits)¹		3
EDRM 704	Qualitative Research	
EDRM 706	Analysis of Variance—Education Research	
NRRT 665	Survey Research and Analysis	
POLS 621	Qualitative Methods in Political Science	
SOC 610	Seminar in Methods of Qualitative Analysis	
Additional Electives, Independent Study, Research, and Dissertation		46
Program Total Credits:		72

¹ This is a recommended subset. Refer to the regular GDPE Curriculum for a complete list.