

Name of faculty	Course name	Course number	Credits (#)	Focus (Ecology/Evolution)	Semester offered (fall, spring, both)	Day(s)	Time
Anna Chalfoun	Habitat Selection	ECOL/ZOO 5520	2	Both	Fall (odd years)	T/R	10:10 - 11
Patrick Kelley	Quantitative Analysis for Field Data	ECOL/ZOO 5500	4	Ecology, Quantitative	Fall	MW	1100-1250
Patrick Kelley	Behavioral Ecology	ZOO 4415/5515	3	Ecology	Fall (odd years)	T/R	TBD
Linda van Diepen	Microbial Diversity and Ecology	ECOL5540	4	Ecology	Fall	MW	1:10-5pm
Murphy	Quantitative Modelling in Landscape Ecology	ECOL/REWM 5610	3	Ecology, Quantitative	Spring (odd years)	MW	9:10-10
Murphy	Landscape Genetics	ECOL/REWM5680	3-4	Ecology, Evolution, Quantitative	Spring (even years)	W (plus lab time TBD)	9:10-12
Rahel		ZOO 5310					
Weiss-Lehman	Experimental Design	BOT 5790					
Curran	Paleobotany	BOT/GEOL 5280	4	Ecology, Evolution	Spring (even years)	TR lecture, W lab	1:20-2:35
Curran		BOT5790-03					
Laughlin	Ecological modeling	BOT5600					
Laughlin/Currano	Vegetation ecology	BOT5700	4	Ecology	Fall		
Chalfoun/Monteith	Writing and Reviewing Science	ZOO5270					
Walters	Advanced Fish Management	ZOO5840	3	Ecology	Spring (odd years)	TBD	TBD
Murphy	Ecology as a Discipline	ECOL5100	3	Ecology, evolution	Fall		
Merkle	Animal Movement and Habitat Selection	Mor Zoo 5890-04					
Merkle	Intro to R for Wildlife Ecologists	Zoo 5530					
Wagner	Macroevolution	BOT 5790	3	Evolution	Spring (odd years)	TR	
Wagner	Advanced Evolutionary Analysis		3	Evolution	J-term II (even years, first offered in 2026)	J-term II	
Wagner/Catling	Population Genetics		3	Evolution	Spring (not 2026)	TR	11:00-12:15
Bernard	Conservation Decision Making	ENR/ZOO 5890	3	Ecology, Management/Decision Making	Fall (planned for even years/ course number will change when CARFe MW)		2:10-3:25
Furniss	Applied Fire Ecology	REWM 4440/5440	3	Ecology	Fall		
Germain	Forest Ecology	BOT 4779/5775	4	Ecology	Fall	W	12-4:10 pm
Germain	Forest Forensics and Disturbances	BOT 4790-10 / 5790-10	3	Ecology	Fall 2025, then spring thereafter	TR (typically)	3-4:20 PM
Germain	Forest Ecology Discussions (paper group)	ECOL 5620-02	1	Ecology	Fall	T	3-5 pm
Shoemaker	Data Wrangling & Visualization in R	BOT 5790	3	Ecology, Quantitative	Spring	T/R	TBD
Holbrook	Data Analysis and Visualization in EnvSci	ENR5530	2	Ecology/Quantitative	Fall (fall on even years)	W	2:10 - 5:25 pm
Holbrook	Carnivore Ecology and Conservation	ENR	2	Ecology	Spring every year	TBD (will be carfed in : TBD	
Hufford	Rangeland Restoration Ecology	ECOL 5580	3	Ecology	Spring every year	MWF	10-10:50
Bernard	Wildlife Disease Seminar	ZOO special topics	2	Ecology / Disease	Spring (even years)	TBD	
Christanson	Hierarchical Modelling for Ecologists	ECOL 5100	3	Ecology	Fall	TR	8:10-9:25
Williams	Stable Isotope Ecology	RNEW 5500	3	Ecology	Fall, odd years	MW	1:10-2:00
Williams	Biogeochemistry	BOT 5780	3	Ecology	Spring, even years	TR	11:00-12:15
Bell	Reclamation of drastically disturbed lands						
Weinig	Plant-microbe interactions	BOT 5200	3	Ecology/Evolution	Fall		
Tank	Phylogenetics Reading Group	BOT 5790-02	1	Evolution			
Clementz	Evolution of Cenozoic Placental Mammals	GEOL 4170 (I know Mark h	4	Evolution	Spring, odd years		
Shuman	Paleoenvironmental Research	GEOL 5505	4		Spring, odd years		
Collins/Walters/Christiar	Advanced Ecology	ECOL 5620	3	Ecology	Spring, even years		
Collins/Williams/McFarlin	Ecosystems and Global Change	ECOL 5620	3	Ecology	Spring, when there is enough demand		
Collins	Freshwater Ecology	ZOO 4440	3	Ecology	Fall		
Irisarri	Grassland Ecology	REWM4540	3	Applied Ecology	Fall	MWF	10:00-11:00

ditionary underpinnings of habitat selection in wild animals f statistical methods, includes analyzing own data and manuscript writing tical approaches to ecological and evolutionary underpinnings for animal behaviors, ranging from foraging and predation to social grouping and mating systems. icrobial ecology based on current literature, and provides hands on experience with tools to obtain and analyze microbial diversity data red of foundation concepts in landscape ecology and spatial analysis. Application of spatial analyses in R to own data. ological and microevolutionary questions with genetic data. Integrates population genetics, landscape ecology and spatial statistics. Course is collaboratively taught from faculty around the world in a blended model with local sections and global lectures/discussion. Course includes a weekly lab	
ne ecology and evolution of land plants throughout Earth history that emphasizes the profound impact plants have had on Earth's surface and atmosphere. Through a combination of lecture, discussion of scientific papers, and laboratory, we explore fossilized plant communities, their ecological proper	
population genomic data in an evolutionary framework using high performance computing. The course has a hybrid format to accommodate remote participants but encourages in-person attendance. course is to train students to become conservation decision makers, OR to be able to communicate with conservation decision makers. The course serves to integrate and build upon material covered in previous courses, such as ecology, wildlife management, population ecology, spatial courses, etc. Practical aspects of conservation aptations, and fire ecology of western forests , abiotic and biotic drivers of stand development, forest functioning and change, tree physiology, dendroecology research-based learning. Focus on western USA forests. Hands-on learning through field trips, labs, and activities. alth with a focus on biotic disturbances (insects, pathogens). Practicing the scientific method as it is applied in observational and forensic (retrospective) studies. Hands-on learning through field trips, labs, and activities. ussion group for forest-related topics. Grad, staff, and professionals welcome. quality figures, wrangling data to format for downstream analyses using tidyverse, reproducible workflows using R Markdown and GitHub in R damentals of data analysis with commonly applied analytical techniques (deep dive in regression based approaches), understanding essentials of data viaulations, and development of publication quality graphics from the different analyses covered in the course. in carnivore ecology, including predator-prey foundations, with a supplement of guest lectures throughout the semester. Discussion based course. on of restoration ecology	
tion of hierarchical modelling with likelihood ('unmarked') and Bayesian approaches to estimate abundance, distribution, and species richness using imperfect data. and lab/instrument methods – stable isotope ratio measurements of light elements, HCNOS s of the physical environment and the biota as they influence the flux and distribution of chemical substances in the biosphere	
es the ecological functioning of grasslands worldwide, using Google Earth Engine to analyze spatial and temporal patterns in productivity, climate, and ecosystem services.	

