

LEC #	MUSEUM FIELD TECHNIQUES IN ZOOLOGY & BOTANY (MCCAIN)	LAB (FRIDAYS)
8-26	Introductions, Overview of Class & Syllabus	<b>Field Trip I:</b> Mammal Field Methods <b>Optional:</b> Bat Mist-netting (night)
8-28	Field Study of Mammals	
9-2	Biological Field Study I: Sampling & Field Notes	<b>Field Trip II:</b> Insect Field Methods [Cesar Nufio; Virginia Scott]
9-4	Field Study of Insects [Deane Bower]	
9-9	Introduction to Vegetation Sampling	<b>Field Trip III:</b> Plant Field Methods [Tim Hogan]
9-11	Field Study of Plants [Tim Hogan]	
9-16	Biological Field Study II: Sampling Continued	<b>Field Trip IV:</b> Bird Field Methods (7am) [Clint Francis]
9-18	Field Study of Birds [Clint Francis]	
9-23	Biological Field Study III: Sampling Cont.; Intro. To Herps	<b>Field Trip V:</b> Amphibian & Reptile Field Methods
9-25	Field Methods of Amphibians & Reptiles	
9-30	Elevation Zonation: flora & fauna	<b>Weekend Field Trip:</b> Montane sampling, collection & observation techniques [Niwot Ridge Field Station; no regular lab time]: Sat-Sunday
10-2	Exam I	
10-7	Review & Analysis of Fieldtrip Data	<b>Saturday Field Trip:</b> Sampling, collection & observation techniques [Pawnee Grasslands; no regular lab time]
10-9	Rocky Mountain Geology	
10-14	Standardized Sampling & Theory: scientific hypotheses	---- <i>Make-up Lab (if necessary)</i> ----
10-16	Standardized Sampling & Theory: diversity & abundance	
10-21	Standardized Sampling & Theory: diversity in space I	<b>Museum Practica I:</b> Pressing Plants, Herbarium techniques [Nancy Lederer]
10-23	Standardized Sampling & Theory: diversity in space II	
10-28	Standardized Sampling & Theory: diversity in time	<b>Museum Practica II:</b> pinning & drying Insects, Entomology collections [Virginia Scott]
10-30	Standardized Sampling & Theory: abundance & rarity	

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11-4	Why Museum Collections Are Important: specimens & data	<b>Museum Practica III:</b> Field Study of Montane Snails [Rob Guralnick]; and Fun with jars of alcohol & preserving fish, amphibians, reptiles, inverts
11-6	Team Competition: Know your methods (Review)	
11-11	Exam II	<b>Museum Practica IV:</b> Diatom Lab [Berengere Leslandes]
11-13	Long-term Field Studies, Collections & Climate Change	
11-18	Case study on Aquatic Organisms & H2O quality [Patrick Kociolek]	<b>Museum Practica V:</b> Fun skinning & stuffing Mammals
11-20	Field Studies & Conservation	
11-25	----Fall Break----	----Fall Break----
11-27	----Fall Break----	
12-2	Permits & International Fieldwork	<b>Museum Practica VI:</b> Fun skinning & stuffing Birds
12-4	Field Specimens of Vertebrate Paleontology [Jaelyn Eberle]	
12-9	Field Study of Invertebrate Paleontology [Dena Smith]	<b>Project Presentations</b> Field Notebooks due.
12-11	Review and Questions about Final	
	<b>Cumulative Final Exam: Monday, Dec. 15<sup>th</sup> 1-4 pm</b>	