

# BIOL-006C: Ecology & Evolution



Summer 2026

Week	Date	Day	Lab topic	Asynchronous Lecture topic	Text
1	Jun 29	Mon	Ex. 1A, 1B & 1C-part A: Scientific Investigation	Introduction to ecology	Ch. 52
	Asynchronous Lab		◇ EcoBeaker®: <b>Experimental Design</b>	Biogeography	“
	Jul 01	Wed	Ex. 2A & 2B: Vegetation transects Ex. 1C: Statistical Analysis, part B	<b>Guest Lectures:</b> Terrestrial Climate Biomes	“
	Asynchronous Lab		◇ EcoBeaker®: <b>Patchy Prairies</b> (+ workbook) / <b>Project pitches</b>	Population dynamics & Life history strategies	Ch. 53
2	Jul 06	Mon	Ex. 3A, 3B & 3C: Population size & dispersal	Community ecology	Ch. 54
	Asynchronous Lab		◇ EcoBeaker®: <b>Population Growth Models</b>	Biodiversity dynamics	“
	Jul 08	Wed	<b>EXAM 1</b> Ex. 1C: Statistical Analysis, part C; <b>Project groups</b>	<b>Guest Lectures:</b> Apex & Keystone Species	“
	Asynchronous Lab		◇ EcoBeaker®: <b>Keystone Predator</b>	Ecosystems — energy & water	Ch. 55
3	Jul 13	Mon	Ex. 2D: Tree diversity; Ex. 1C: Statistical Analysis, part D	Ecosystem resource cycles	“
	Asynchronous Lab		◇ EcoBeaker®: <b>Limiting Nutrients</b> (+ workbook)	CA ecological provinces	<i>Biodiversity of California</i>
	Jul 15	Wed	De Anza campus birds; Ex. 4A & 4B: Bird diversity	Watershed & stream ecology	
	Asynchronous Lab		◇ EcoBeaker®: <b>Isle Royale</b>	<b>Case Study:</b> Wolves and Moose	
4	Jul 20	Mon	<b>Field Day: Stevens Creek Watershed</b>	Pollution and ecotoxicology	Ch. 56
	Asynchronous Lab		◇ EcoBeaker®: <b>Fire &amp; Succession</b>	Conservation & restoration	“
	Jul 22	Wed	<b>EXAM 2</b> Ex. 4C: Macroinvertebrate diversity – habitats 1 & 2	<b>Guest Lectures:</b> Niche Partitioning	
	Asynchronous Lab		◇ EcoBeaker®: <b>Nutrient Pollution</b>	Behavioral biology	Ch. 51
5	Jul 27	Mon	Ex. 5A & 5B: Behavioral ecology	Origins & paradigms	Ch. 22
	Asynchronous Lab		◇ EvoBeaker®: <b>Sickle-Cell Alleles</b>	Mechanisms of evolution	Ch. 23
	Jul 29	Wed	Ex. 5B & 5C: Behavioral ecology	<b>Case Studies:</b> Microevolution mechanisms	“
	Asynchronous Lab		◇ EvoBeaker®: <b>Genetic Drift</b>	Reproductive ecology & sexual selection	“
6	Au 03	Mon	<b>Final research reports / class presentations</b>	Speciation & diversity	Ch. 24
	Asynchronous Lab		◇ EvoBeaker®: <b>How the Guppy Got Its Spots</b> (+ workbook)	<b>Guest Lecture:</b> Connecting Genes to Ecosystems	
	Au 05	Wed	<b>EXAM 3</b>		
	Asynchronous Lab		◇ EvoBeaker®: <b>Darwinian Snails</b>		