

BIOLOGY 208 LABORATORY SYLLABUS – SPRING 2014

NOTE: All lab sessions will begin in Rooke Chemistry 116 unless otherwise noted. Field trips will meet on 7th Street outside the Biology Building and O’Leary.

Week	Topic	Lead Instructor	Lab Dates Mon & Wed
1	Film “ <i>What Darwin Never Saw</i> ” – Introduction to Darwin’s Finches Evolution	Jordan	Jan 20 & 22
2	“ <i>Finches and Evolution</i> ” Darwin’s Finches Evolution Simulation Model I – <i>Evolution Lab</i> *	Jordan	Jan 27 & 29
3	Systematics I – Morphological Phylogenetic Analysis of Primate Skulls*	Jordan	Feb 3 & 5
4	Systematics II – Molecular Phylogenetic Analysis – Viral Evolution & Influenza*	Jordan	Feb 10 & 12
5	Bioenergetics I – Tobacco Hornworm Experiment Setup	Takahashi	Feb 17 & 19
6	Basics of Statistics: Analysis of Variance*	Takahashi	Feb 24 & 26
7	Bioenergetics II– Tobacco Hornworm Experiment Analyses*	Takahashi	Mar 3 & 5
	Spring Break		Mar 10 & 12
8	Human Demography: Cemetery – Field Trip *	Takahashi	Mar 17 & 19
9	Population Ecology: Field Trip to Fish Hatchery *	Both	Mar 24 & 26
10	Restoration Ecology: Montandon Sand Mine and Wetlands – Field Trip *	Jordan	Mar 31 & Apr 2
11	Environmental Issue Oral Presentation – Meet in lab rooms**	Both	Apr 7 & 9
12	Environmental Issue Oral Presentation – Meet in lab rooms**	Both	Apr 14 & 16
13	Old-Growth Forest Communities, Forest Succession, & Global Impacts: Meet on 7 th Street – Field Trip (Snyder-Middleswarth/Tall Timbers)	Both	Apr 21 & 23

***Laboratory report required, ** Oral report required, all lab materials can be included on exams. Environmental Issue Paper is worth 15 % of the lab grade, while the rest of the lab reports are worth 85%.**

BIOL 208, Spring 2014 – Lab Instructors

	Room	Instructor	Teaching Assistant	Assistant contact
Monday	BB 108	Dr. Takahashi	Scott Weismiller	saw030
Monday	BB 110	Dr. Jordan	Claire Rapp	ccr004
Wednesday	BB 108	Dr. Takahashi	Morgan Roche	mdr010
Wednesday	BB 110	Dr. Jordan	Erica Shartle	eks009
			Nicole King	nrk005