

**BIOLOGY 208 LABORATORY SYLLABUS – SPRING 2009**

<b>Week</b>	<b>Topic</b>	<b>Lead Instructor</b>	<b>Lab Dates</b>
1	“ <i>What Darwin Never Saw</i> ” in <u>Rooke 116</u> & Darwin’s Finches Evolution Simulation Model– <i>EvolutionLab</i> * < <a href="http://biologylab.awlonline.com">biologylab.awlonline.com</a> > in BB 108/110	Abrahamson	Jan 19 & 21
2	“ <i>Galápagos: Islands in Time</i> ” Presentation in <u>Rooke 116</u> & Darwin’s Finches Evolution Simulation Model II – <i>EvolutionLab</i> *	Abrahamson	Jan 26 & 28
3	Cladistics – Morphological Phylogenetic Analysis*	Jordan	Feb 2 & 4
4	Cladistics – Molecular Phylogenetic Analysis – Viral Evolution & Influenza*	Jordan	Feb 9 & 11
5	“ <i>What a Way to Go: Life at the End of Empire</i> ” Video in <u>Rooke 116</u> Ecological/Environmental Debates Organization; Text Chap. 18, 23, 26, and 32	Abrahamson, Jordan	Feb 16 & 18
6	Ecological/Environmental Debates Presentations**	Abrahamson, Jordan	Feb 23 & 25
7	Sampling Theory & Forest Succession – <i>EcoSampler</i> Simulation Model*	Abrahamson	Mar 2 & 4
	<b>Spring Break</b>		Mar 9 & 11
8	Human Demography – Cemetery <b>Field Trip</b> *	Jordan	Mar 16 & 18
9	Population Growth and Competition Theory & Predator and Prey Interactions – <i>PopulationEcologyLab</i> Simulation Model* < <a href="http://biologylab.awlonline.com">biologylab.awlonline.com</a> >	Abrahamson	Mar 23 & 25
10	Foraging Theory & Predator-Prey Interactions ( <b>Field Trip</b> )*	Jordan	Mar 30 & Apr 1
11	Landscape Patterns (Abrahamson Shamokin Mt. Property <b>Field Trip</b> )*	Abrahamson	Apr 6 & 8
12	Landscape Change – Restoration Planning (Montandon Wetlands <b>Field Trip</b> )*	Jordan	Apr 13 & 15
13	Old-Growth Forest Communities, Forest Succession, & Global Impacts (Snyder-Middleswarth/Tall Timbers <b>Field Trip</b> )***	Abrahamson	Apr 20 & 22

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**\*Laboratory report required, \*\* Oral report required, \*\*\* Included on final examination**