

**BIOL 1107: Unifying Principles of Biology**  
**Valdosta State University, Fall 2014: Laboratory Syllabus**

**Lecture (BC 1011):** M W F 12:00 – 12:50 p.m.- Dr. Chambers

**Laboratory (BC 1083): Section A (CRN # 81727):** M / 9:00 - 11:50 a.m. - Dr. Ring

**Section B (CRN # 81728):** M / 1:00 - 3:50 p.m. - Dr. Ring

**Ring Office hours (BC 2084):** T & R 11:00-12:00 p.m. **Phone:** 249-4841, **Email:** [bcring@valdosta.edu](mailto:bcring@valdosta.edu)

**TENTATIVE LABORATORY EXERCISES:**

<b>Lab</b>	<b>Week of:</b>	<b>Topic:</b>
<b>1</b>	Aug.18-22 (M)	Introduction to the Lab, Safety, and Laboratory Notebooks <b>Exercise 1:</b> Introduction to the Use of the Scientific Method
<b>2</b>	Aug. 25-29 (M)	<b>Exercise 2:</b> Basic Light Microscopy
--	Sept. 01-05 (M)	Labor Day- <b>NO LABS</b>
<b>3</b>	Sept. 08-12 (M)	<b>Exercise 3:</b> Light Microscopy Observations of cells and organisms; Basic "5 Kingdom" levels of organization. <b>Exercise 4:</b> Group Microscopy Project: <u>Proposal Discussion</u> <b>Read Appendix A</b>
<b>4</b>	Sept. 15-19 (M)	<b>Exercise 5:</b> Cellular Water Relations <b>A1 Due:</b> Group Proposal (end of class)

**5** Sept. 22-26 (M)