

**Laboratory: BIOL 1107K, Principles of Biology I; Section H;**  
**Spring Semester, 2018**

*Lecture (BC 1011) - Cantonwine:*

**Laboratory (BC 1083):                      Section H (CRN 23036):                      Wed.: 3:00 p.m. – 5:50 p.m.**

Officially, this course is BIOL 1107K, a single 4 credit hour course with 3 h lecture and 3 h lab. However, students should understand that the Biology Department schedules teaching duties for faculty to include either lecture or laboratory for this course. This means that students registered for this course may have separate instructors for their lecture and laboratory. In the current case, students in the above sections have Dr. Emily Cantonwine for lecture and Dr. Russ Goddard for their Lab. At the end of the semester you will receive a single grade for this 4 hour course, however, the laboratory grade you earn will comprise a significant portion of that grade. During the semester, you will acquire points for laboratory and Dr. Goddard will compute a percentage score (#points obtained / # points available). It is this score that will be passed on to Dr. Cantonwine so that she can compute your course grade.

**Instructor:** Dr. Russ Goddard, BC 2090. (Phone 249-2642)

(**Office hours:** MTW 10:00 ó 11:45 a.m.)

**Official Contact email:** [rgoddard@valdosta.edu](mailto:rgoddard@valdosta.edu) (**BlazeView email is not used by Dr. Goddard: use the official VSU email address**).

**Course Catalog Description:** BIOL 1107 Principles of Biology I; 3-3-4; Co-requisite for biology majors: BIOL 1100. An introduction to the principles of biology.

**Schedule of LABORATORY EXERCISES:**

Date:	Topic:
<b>10 Jan.</b>	Lab Safety and General Lab Introduction <b>Laboratory Safety:</b> <b>Exercise 1:</b> Introduction to the Use of the Scientific Method; "The Black Box"
<b>17 Jan.</b>	<b>Exercise 2:</b> Basic Light Microscope Operation and Microscope checkout: Use of the Light Microscope
<b>24 Jan.</b>	<b>Exercise 3:</b> Observation of living cells with Light Microscopy; Basic cellular organization; Independent microscopy lab proposals discussed. <b>Introduction: Exercise 4:</b> Independent Microscopy Projects; <b>Read Appendix A</b>
<b>31 Jan.</b>	<b>Exercise 4:</b> Independent Microscopy Projects Distribution of microscopic flora and fauna; Project proposal lab; how to collect useful data; <b>Read Appendix B</b>
<b>7 Feb.</b>	<b>Exercise 4:</b> Distribution of microscopic flora and fauna. Summary of Group Results (end of class)
<b>14 Feb.</b>	<b>Exercise 5:</b> Cellular Water Relations