BIOL 1108: Principles of Biology II Lab (Spring 2012)

1. Course Information

- Course number and section: BIOL 1108K (section: A) CRN: 21335
- Course name: Principles of Biology II
- Hours of credit: 4
- Lab location and room number: BC 1085, Monday 11:00 am - 1:50 pm
- Department, College, University: Department of Biology, College of Arts and Sciences, Valdosta State University

2. Instructor Information

- Instructor name: Dr. Jonghoon Kang
- Instructor contact: BC 2084, 229-333-7140, jkang@valdosta.edu
- Instructor office hours: Tue and Wed 10:00am - 11:00am

3. Course Description

Required texts, resources, and materials: Principles of Biology Lab Manual for BIOL 1108 (Grove, 2011).

4. Lab Conduct

- Arrive on time. Assignments are due at the start of lab. Students arriving 10 minutes late will not be able to turn in assignments and will receive a zero (0) on those assignments

- It is strongly advised to maintain a laboratory notebook with drawings, descriptions, data etc. of the laboratory exercises. The only requirements of the notebook are that it be a spiral bound notebook. The notebook will help you study for the practical exams.

- No eating or drinking during the lab.

- Attendance to lab is mandatory. Excused absences are usually given for medical emergencies and documentation must be provided; the professor determines whether or not an absence is "excused" or not. If a student misses three labs for any reason the student cannot earn higher than a "D" for his/her final grade. Except under extenuating circumstances, labs cannot be made up outside of scheduled laboratory sessions. Students are still responsible for all lab content even if they received an excused absence.

- Students must take care of lab equipment. Notify the professor if something is not working properly or if something breaks during the course of the lab

- Each student will be assigned a microscope. It is the student's responsibility to properly use the microscope. After lab the professor will check each scope to make sure that it was put away properly. Failure to do so will result in one point being subtracted from the student's total lab points (not the final percentage) each week it is not put away properly. Notify the professor if your microscope is not functioning properly.

- Cell phones are not allowed to be used in lab with the exception of using them as timers when necessary.

5. Lab assignments and Lab Practical Exams:

Throughout the semester lab assignments will be given. These assignments are due at the start of the following lab period. No late assignments will be accepted (see above).

Two lab practical exams will be given, one covering animals and one covering plants. Questions may include microscope slides, whole specimens and a written component. Lab practical exams can only be taken the week they are scheduled.

6. Assessment or Evaluation Policy

- Explanation of how grades are assigned: Grading will be based on assignment scores and lab practical exam scores.
  Each assignment will have 10 point maximum and each lab practical exam will be 100.
  12 assignments (120) + 2 practical (200) = 320.

7. TENTATIVE LAB SCHEDULE AND TOPICS

Week of January 9	**(Lab 1) Introduction and Learn to Use Excel (Meet in Computer Lab room 3018)**
Week of January 16	**NO LAB**
Week of January 23	**(Lab 8a, b) Diversity: Porifera and Cnidaria, Vertebrate Animal Tissues**
Week of January 30	**(Lab 9a, b) Diversity: Platyhelminthes, Vertebrate Anatomy**
Week of February 6	**(Lab 10a, b) Diversity: Annelida and Mollusca, Sensory Systems and Muscle**
Week of February 13	**(Lab 11a, b) Diversity: Nematoda and Arthropoda, Cardiovascular System**
Week of February 20	**(Lab 12a, b) Diversity: Echinodermata and Chordata, Digestive System and Excretory Systems**
Week of February 27	**LAB PRACTICAL**
Week of March 5	**(Lab 2) NonTracheophytes (Seedless Plants)**
Week of March 12	**NO CLASS SPRING BREAK**
Week of March 19	**(Lab 3) Tracheophytes (Vascular Land Plants)**
Week of March 26	**(Lab 4) Roots, stems and leaves**
Week of April 2	**(Lab 5) Angiosperm Development**
Week of April 9	**(Lab 6) Growth and Transpiration**
Week of April 16	**(Lab 7) Pollution: Effects of Chemical, Thermal and Acid Pollution**
Week of April 23	**LAB PRACTICAL**