

## **BIOL 1108: Principles of Biology II Lab (Spring 2015) Section E**

### 1. Course Information

- Course number and section: BIOL 1108K (section: E) CRN: 21290
- Course name: Principles of Biology II
- Hours of credit: 4
- Lab location and room number: BC 1073, Wed 12:00 pm - 2:50 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 2217, 229-333-7140, jkang@valdosta.edu
- Instructor office hours: Mon and Tue 9:30 am - 11:00 am (You may discuss course-related issues)

### 3. Course Description

Required texts, resources, and materials: BIOL 1108 Principles of Biology II Lab Manual (3<sup>rd</sup> Ed.) (Edited by Theresa Grove).

### 4. Lab Conduct (**Policies**)

- 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. Students who miss two labs without an excuse or three labs total cannot receive a lab grade above a "D" (60%). Attendance will be recorded in the first 10 minutes of the lab. So, do not be late to lab. In the event that a student misses a lab with an excuse, s/he should email the instructor within 24 hours of the missed lab. It is the instructor's prerogative to accept the excuse or not. Absolutely no laboratories can be made up, and no work will be accepted late. If you are more than 10 minutes late, you may not be allowed to enter the lab, so please be on time.

- 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.

- Email: Please email me only from a VSU email account. I am unable to respond to emails from non-VSU accounts.

-Academic integrity is the responsibility of all VSU faculty and students. Students are responsible for knowing and abiding by the Academic Integrity Policy as set forth in the Student Code of Conduct and the syllabus. All students are expected to do their own work and to uphold a high standard of academic ethics. Cheating (including plagiarism) will not be tolerated. The instructor reserves the right to dismiss you from the course without credit if you are caught cheating. You will be respectful of your instructor and your fellow students at all times, or you will be dismissed from the class and potentially the course.

- Print out this syllabus and keep it in the lab notebook.

#### 5. Lab assignments and Lab Practical Exams:

Throughout the semester 12 lab assignments will be given. These assignments are due at the start of the following lab period. No late assignments and no emailed 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**

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

<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A4</b>	<b>A5</b>	<b>A6</b>	<b>A7</b>	<b>A8</b>	<b>A9</b>	<b>A10</b>	<b>A11</b>	<b>A12</b>	<b>LP1</b>	<b>LP2</b>	<b>Sum</b>	<b>Final</b>

**Final (%) = Sum/3.2**