

## 1. Course Information

Course number and section: BIOL 1107K (section: M) CRN: 80142

Course name: Principles of Biology I

Hours of credit: 4

Lab location and room number: Bailey Science Center 1083, Wednesday 12:30 pm - 3:20 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](mailto:jkang@valdosta.edu)

Instructor office hours: T & R 3:00 PM - 4:00 PM (You may discuss course-related issues)

## 3. Course Description

### Required materials

Lab Manual: Goddard, R.H. 2013. Methods and Investigations in Basic Biology. 6th edition.

Calculator

Lab notebook

## 4. Lab Conduct (Policies)

- Arrive on time. 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 using the lab quiz, which will be given 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. 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. Absolutely no laboratories can be made up, and no work will be accepted late. Students are still responsible for all lab content even if they received an excused absence. If you are more than 15 minutes late, you may not be allowed to enter the lab, so

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- Cell phones are not allowed to be used in lab with the exception of using them as timers or cameras to take pictures of data 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.

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

Throughout the semester lab assignments will be given. Due dates of these assignments are shown in the lab schedule table in this syllabus. No late assignments will be accepted (see above).

#### 6. Assessment or Evaluation Policy

BIOL 1107 is a 4 credit course, and the Lab section of the course will contribute 25% of your grade.

There will be a 10 point quiz at the beginning of each lab session, so do not be late for lab! The quizzes will be based on material from the previous labs. If there is an error with your quiz grade you must contact me on the week the quiz is given, as grades will become final by the following week.

There will be two assignments. Each assignment is worth 10 points. Questions regarding assignment grades must be made during the week the grade has been given to you, as grades will become final by the following week. Assignments are due at the start of class unless otherwise directed, and will not be accepted late. The assessment will be based on your lab manual.

#### General:

Your lab notebook should ONLY include materials from your 1107 lab (do not keep materials from other courses in this notebook).

Try to keep your lab notebook legible.

You should be thorough in keeping your notes; the entire purpose for a lab notebook is to keep a record of your activities and results so that either you or others reading your lab

how much water you added it to. Your notes should be a full and complete record of your activities in lab.

We are also going to use your lab notebook for exercises in metacognitive learning. Studies have shown that students have improved understanding and memory when they think explicitly about the learning process. Your lab notebook will be one way in which you formally THINK about how you are learning from lab.

You will often be wo

## 7. TENTATIVE LAB SCHEDULE AND TOPICS

Date:	Topic:	Assignments
Aug 19	Lab Safety, General Lab Introduction, and Lab Notebooks : Introduction to the Use of the Scientific Method	
Aug 26	: Basic Light Microscopy	Quiz 1
Sept 2	Observation of Living Cells with Light Microscopy. Independent microscopy lab proposals discussion	Quiz 2; Read Appendix A Assigning A1
Sept 9	Labor Day Week - No Lab	
Sept 16	: Cellular Water Relations	Quiz 3
Sept 23	Basic Mathematics for Biological Sciences	Quiz 4
Sept 30	: Independent Group Microscop	