

# LECTURE SYLLABUS GENERAL BIOLOGY I BIOLOGY 201

**Textbook:** Biology, Sixth edition. McGraw-Hill, 2002.  
Raven and Johnson

## **A thought to ponder**

“Education is not the filling of a pail, but the lighting of a fire”. William Butler Yeats.

## **TENTATIVE LECTURE OUTLINE**

<b><u>Lecture</u></b>	<b><u>Chapter</u></b>	<b><u>Topic</u></b>	
1		The Science of Biology	1
2,3,		The Chemical Building blocks of Life	3
4,5		Cell Structure	5
6,7		Membranes	6
8		Cell-Cell Interactions	7
		<b>EXAM I</b>	
9		Energy and Metabolism	8
10,11		How Cells Harvest Energy?	9
12		Photosynthesis	10
13		How Cells Divide?	11
14		Sexual Reproduction and Meiosis	12
15		Patterns of Inheritance	13
		<b>EXAM II</b>	
16		DNA: The Genetic Material	14
17,18		Genes and How They Work	15
19		Viruses and Bacteria	33&34
20,21		Protists	35
22,23		Fungi	35
24,25		The Animal Kingdom (the invertebrates)	
26,27		The Animal Kingdom (the vertebrates)	

## **Course Objective and General Comments:**

The purpose of this course is to give you an overview of biological concepts and to gain an appreciation of the importance that Biology plays in our lives and will continue to play in the foreseeable future. I view this course as the **LAST** course you will have in Biology rather than the first course in Biology.

Clearly, there is a lot of material to cover in a short period of time. My purpose in class is to present to you the most important material upon which to base your foundation in Biology. Thus, in order to do well in this course, it is imperative that you keep up with reading the chapters and attend lectures. It will not be possible to read all the material the night before the exam. The lectures will follow the book closely, however, additional material will be frequently added in lecture in order to help clarify a topic and improve your understanding. Class attendance is highly recommended. While no attendance will be taken during the general lecture, because of the size of the class, class attendance will be taken during recitation sessions. Absence of a student does not excuse him/her from the responsibility for the work done, or for any announcements made during his/her absence. Students who miss classes excessively are subject to be dropped from the course (**AUB Catalogue, page 116**).

### **Questions:**

While questions are always encouraged, the size of this class makes answering, and possibly, asking questions difficult. Therefore, if you have a question, please write it on a piece of paper and submit it to me at the conclusion of the lecture, or via E-mail. The questions will be answered during the recitation sessions. Also, You are welcome to meet with me to ask questions during my office hours.

### **Recitation Sessions:**

Your recitation group will meet once a week. The major purpose of the recitation sessions is to clarify and reinforce subject matter dealt with in lectures and in the text. PLEASE remember that your recitation session grade contributes to your final course grade and is a major part of the course. So, be sure to attend recitation and participate fully.

### **Class Rules:**

The first rule is **TURN OFF YOUR MOBILE PHONES** before getting into the classroom. Second, I expect students to attend classes and be **PUNCTUAL** (Punctuality is a measure of civility). I will begin class at 0800 hrs sharp! I will end class at 8:50. Arriving late and leaving early is disruptive to the class and interrupts my train of thought. I expect students to be respectful. Tuition affords one the opportunity for an education, not the right to be disruptive. A serious problem in large lecture halls is the background noise caused by students talking during the lecture. This behavior is immature and inconsiderate. Students who persist with disruptive behavior will be dropped from the class.

### **Exam Rules and Regulations:**

You are required to take all the exams at the scheduled day and time. **Failure to sit for an exam will result in a '0' (ZERO) for that exam. NO MAKE UP EXAMS** will be given. An alternative arrangement could be made, however, the nature for such arrangement is at the discretion of the instructor. A written explanation/excuse must be provided within **one week** of the scheduled exam to allow for such an arrangement.

**No Mobile phones are to be heard or seen during an exam.**

I will not tolerate any kind of dishonesty during exams (honesty in your academic work will develop into professional integrity).

**Grades:**

**The first and second lecture exams each count for 20 % of the grade. The final exam counts for 30% of the grade. The Laboratory counts for 25 % of the grade. Recitation sessions count for 5% of the grade.**