Charlotte Murray

Class Syllabus – Bio 100 – Class Code 30031 – 4 Units --- Monday through Thursday 3:00-7:40

Summer 2014 **– ***Schedule subject to Change*****

Wk	Day	Date	Lecture 3:00-5:10	Laboratory 5:30-7:40
1	Mon.	6-16	Chapter 1 & Chapter 2	Roots & Stems pp229-239
	Tue.	6-17	Chapter 2 Cont. & Chapter 3	Open Book, Open Note Quiz
	Wed.	6-18	Chapter 3, Chap 4 pp 75-81, & Chapter 8	Leaves, Flower parts, & Seeds pp 239-243
	Thurs	6-19	Chapter 8	Open Book, Open note Quiz on leaves & Flowers --- & Mitosis **(no other exams or quizzes are open book open note)**
2	Mon.	6-23	Chapter 9 pp 154-160, Rest of Chapter 4	Algae pp 171-181 & Mitosis Quiz
	Tue.	6-24	Chap 4, Chapter 5	Algae Quiz
	Wed.	6-25	Chap 5, Chapter 6	Protozoa pp 185-193
	Thurs	6-26	Chap 6 & Test Review	Protozoa Quiz
3	Mon.	6-30	**Lecture Exam 1-6, 8 and part of 9**	Cnidarians pp 291, 293-297
	Tue.	7-1	Chap 10 & Chap 9 pp 160-169	Platyhelminthes pp303-310
	Wed.	7-2	Chap. 10 Cont.	Quiz Cnidarians & Platyhelminthese
	Thurs	7-3	Chap 12	Annelida pp 325-333
4	Mon.	7-7	Chap 12 Cont. Chap 13	Quiz
	Tue.	7-8	Chap 13 cont, Chap 14	Cray fish
	Wed.	7-9	Chap 14 & test review	Quiz
	Thurs	7-10	**Lecture Exam – Part of 9, & 10, 12-14**	Grasshopper
5	Mon.	7-14	Chap. 7 pp 125-133	Quiz
	Tue.	7-15	Chap 15	Starfish
	Wed.	7-16	Chap 15 cont, & Chap 16	Quiz
	Thurs	7-17	Chap 17	Amphioxus
6	Mon.	7-21	Chap 17 cont	Frog
	Tue.	7-22	Chap 17 cont and Test Review	Lab Final Amphioxus and Frog
	Wed.	7-23	**Final: Chapters: 7, 15, 16 & 17**	

HOME PHONE 760-357-2865 -- Call when you need to but not before 7:30a.m. or after 10:00 p.m.

E-mail – charlotte.murray@imperial.edu

Texts:

- ξ LECTURE: Biology, The Essentials by Marielle Hoefinagels
- ξ Lab: Laboratory Outlines in Biology VI, Peter Abramoff, & Robert G. Thomson
- ξ *** You will find it helpful to bring colored pencils for the lab. wok
- ξ **YOU MUST DROP YOURSELVES if you want out of this class. (Please, I don't like giving "Fs" because you failed to do this --- but I will)**

Exams: Closed book, closed note, True-False, Multiple Choice, and Short Answer, and Essay Questions.

- Lecture: 3 Exams @ 175-230 points each = 525-700 total points (Includes final)
- Lab. 11 Quizzes @ 25-75 points each = 200-300 total points
- Quizzes ± 15 @ 12-45 points each = 270 total points
- = **Approximately 1000 points possible**

Final grade is calculated as a percentage of the highest score in the class:

- 90-100% = A
- 80-89% = B
- 70-79% = C
- 60-69% = D
- 59% or lower = F

In general quizzes can NOT be made-up. There are no extra credit papers or work available, you need to learn what I want you to learn.

1. **You may record the class**
2. **NO cell phone on during class --- TURN THEM OFF OR TO VIBRATE!!!!**
3. **Be on time**
4. **No talking in class while I am teaching or you may be sent from the class.**
5. **Any student with a documented disability, who may need educational accommodation, should notify me and the Disabled Student Programs and Services office (Room 2117 – 760-355-63120) as soon as possible.**
6. **Any student caught cheating or helping another student to cheat will be given a zero on the exam and may be reported to the administration for further action.**

Course Description: ***Prerequisite: Math 091 or Math 090.*** This course is a comprehensive one semester general biology course, designed to provide students with an overview and understanding of the biology and taxonomy of organisms in all five Kingdoms. The class will focus on genetics, evolution, and species diversity.

Course Objectives: Students will learn to use a microscope to identify various species of algae, protozoa, plants and animals. They will be able to describe various cellular processes like photosynthesis, aerobic cellular respiration, enzymatic reactions, mitosis, and meiosis. Students will acquire a general knowledge of genetics and how genetic information is passed on to offspring. Students will learn about the likely origin of life on Earth and how the original species underwent adaptation and evolution to give rise to life as we know it today. Students will be presented with a general review of all five Kingdoms with the greatest focus on eight animal phyla. The students will understand how over time phyla acquired characteristics that made them more advanced than those phyla without these characteristics.

STUDENT LEARNING OUTCOMES (SLOs)

INSTITUTIONAL STUDENT LEARNING OUTCOMES:

Students who complete a degree or certificate at Imperial Valley College will demonstrate competency in these five areas: communication skills, critical thinking skills, personal responsibility, information literacy, and global awareness.

COURSE STUDENT LEARNING OUTCOMES:

Students who complete Biology 100 with a grade of "C" or better will be able to:

1. Demonstrate an understanding of the steps of the scientific method. (ILO2)
2. Communicate an understanding of the various patterns of inheritance of genetic traits. (ILO1, ILO2)
3. Explain how the processes of natural selection influence evolution. (ILO1, ILO2)
4. Perform lab activities properly, and correctly analyze lab data. (ILO1, ILO2)