GENERAL BIOLOGY 1
SYLLABUS

Course Rubric and number: BIOL 1406
Semester with CNR: Spring 2012, CNR #/33483

Instructor contact information: Dr. Deolu-Sobogun Suziat
E-mail: suziat.deolu-sobogun@hccs.edu

Office hours: Immediately after class

Course location/ Times: Felix Morales Building, Eastside Center, Southeast College
Class meeting: Monday: 2:30 PM – 5:30 PM, Room 218

Course Semester credit Hours 4

Learning web: http://learning.hccs.edu/faculty


COURSE DESCRIPTION:
You are all welcome to General Biology I. This is a HYBRID COURSE which means that all class assignments and examinations are done on Eagle online. The class will meet only one day per week for Laboratory and/or discussion.
This course will focus on the topics involving the biology and chemistry of the cell along with its organization in multicellular organisms. Additional discussion topics covered include biological processes, cellular morphology, metabolism, basic concepts of genetics and molecular biology. The primary objective of this course is to provide students the foundation and knowledge of life sciences.

Class Semester Schedule is subject to change*

TOPICS TO BE COVERED
1. Exploring Life
2. The Chemical Context of Life
3. Water and the Fitness of the Environment
4. Carbon and the Molecular Diversity of Life
5. The Structure and Function of Macromolecules
6. A Tour of the Cell
7. Membrane Structure and Function
8. An Introduction to Metabolism
9. Cellular Respiration: Harvesting Chemical Energy
10. Photosynthesis
11. The Cell Cycle
12. Meiosis and Sexual Life Cycles
13. Mendel and the Gene Idea
14. The Chromosomal Basis of Inheritance
15. The Molecular Basis of Inheritance
16. From Gene to Protein
17. The Genetics of Viruses and Bacteria
18. Regulation of Gene Expression
19. Viruses
20. Biotechnology
LABORATORY EXERCISES
1. Compound Microscope
2. Chemicals: The Basis of Life
3. Biological Fluids
4. Biomolecules - Carbohydrates and Lipids
5. Biomolecules - Proteins and Nucleic Acids
6. Cells: Morphology
7. Enzymes- Biological Catalysts
8. Diffusion and Osmosis
9. Osmotic Relationships of Cells
10. Fermentation (may be run by demonstration)
11. Photosynthesis (may be run by demonstration)
12. Mitosis: Nuclear Division in Plant and Animal Cells
13. Meiosis: Gamete Production
14. Genetics: Mendelian Inheritance
15. Genetics: Human Heredity
16. Genetics: Statistical Analysis of Data (optional)
17. The Molecular Structure of DNA
*The topic schedule is subject to change

EXAM SCHEDULE:
EXAM 1  ----------- Feb.11th
EXAM 2  ---------March 18th
EXAM 3  ---------April 15th
EXAM 4  ..........April 29th
1ST LAB. EXAM  --------Feb.25th
2ND LAB. EXAM  --------April 29th
STATE WIDE FINAL EXAM  --------May 6th

LAB STRUCTURE: Each student is expected to participate and complete the lab during the lab meeting time while also having the lab reports along with the appropriate data sheet(s) completed and ready to turn in on or before the next lab meeting. The lab safety release form must be signed during the 1st lab session. Lab. Exam will be conducted in the classroom.

LECTURE STRUCTURE: Lecture resources will be posted online; there will be assignment for each chapter. Four exams and 2 Lab. exams will be given; lowest grade from the lecture exams will be dropped. All Quizzes and lecture exams will be administered online except for the State-wide exam that will be conducted at the end of the semester in the class.

Make-Up Policy: Make-up will not be given for any online exam or quiz.

GRADING COMPUTATION:
Lecture Exams: 35%
Final Exam: 15%
Lab Exams/Lab Reports: 25%
Class/lab. Participation 10% (grade will also include discussions online)
Quiz/Assignments 15%

Below is the letter grade designation:
A: 100 – 90
B: 89 – 80
C: 79 – 70
D: 69 – 60
F: Below 60
Success in this course depends solely on the individual student!
The following are some strongly recommended tips for students:
• Understand and complete all elements within the syllabus.
• Contact me if you have any questions regarding any aspect of the course you
do not understand. You can contact me during my office hour or through my email and I will respond to your question(s) within 24-48 hours, most of the time earlier especially during the week.

RULES AND REGULATIONS:
1. The listed textbook and lab manual are required for the course.
2. ATTENDANCE:
   a. Attend class regularly, be on time, and stay until the period ends, unless dismissed. Student will be given a 15 minutes grace to get to the class.
   b. Full attendance is required for lab sessions. Students with more than four (4) unexcused absences may result in administrative withdrawal. Students are responsible for everything covered during the absence, and it is the student’s responsibility to consult with the instructor for make-up exams.
   c. If you have an attendance issue, please notify me. Any student who wishes to drop the class must understand it is their responsibility and officially do so on or before the drop date. Failure to withdraw officially will result in a letter grade, not a “W” in this course.
3. Cell phones must be placed on silent or vibrate during class/lab meetings. No recording in the classroom except with my approval
4. Smoking is not allowed in the laboratory. No Eating or drinking is permitted except Water, however. Eating and drinking is prohibited in the lab.
5. Children or anyone not officially enrolled in this course are not allowed in the lecture/lab rooms.
6. Cheating/plagiarism is not tolerated. First infraction of cheating/plagiarism will result in a warning. The second infraction of cheating/plagiarism will result in a “zero” on the exam or other work involved. The third infraction will result in a letter grade “F” in the course. Cheating/plagiarism is defined as giving or receiving, offering or soliciting information, or using prepared material without permission or proper documentation. Please refer to the Houston Community College System policies within the most current Student Handbook.

EXAMS/QUIZZES/REPORTS: Exams will consist of multiple choice questions with possible fill-in-the-blank, diagrams, completion, definitions, matching, and/or essay questions based on the material covered in the lecture session and the text. The following are guidelines that will govern all exams:
• Students will not be allowed to leave the classroom before completing an exam.
• Students arriving late will not be allowed to take the exam if any student has completed the exam and left the classroom.
• The instructor holds the right to conduct timed exam.
• Students arriving late will not be given extra time to complete the exam.
• The lab exams and final exam are mandatory in order to pass the course.
  • Student can have an Incomplete ‘I’ only if the student miss one exam and the student is passing the class.
  ❖ Pop quizzes will be given at the discretion of the instructor the first 10 minutes of the lecture session. Each quiz will be over previous information or information that is to be covered on that lecture session day.
STUDENTS WITH DISABILITIES: Any student with a documented disability (i.e. physical, learning, psychiatric, vision, hearing, etc.) who require reasonable accommodations of disabilities are encouraged to call (713) 718-6164 to make necessary arrangements with the appropriate HCC Disability Support Service (DSS) Counselor at the beginning of the semester. Faculty is only authorized to provide accommodations requested by the Disability Services Office via approved student accommodation letters and confirmation of an Instructional Support Specialist assigned to their instructor.

SPRING 2013- REGULAR 16- WEEK SEMESTER (RT)
November 5 Monday   Registration Begins
January 11 Friday   Last Day for 100 % Refund
January 13 Sunday   Last Day for Drop/Add/swap/ Registration Ends (online only)
January 14 Monday   Classes Begin
January 14- January 30   70% Refund
January 21 Monday   Offices Closed- Martin Luther King, Jr. Observance
January 28 Monday   Official Date of Record
January 31- February 5   25% Refund
February 15 Friday   Priority Deadline for Spring Completion of Degrees or Certificates
February 18 Monday   Office Closed- Presidents Day Holiday
March 11-17 Mon-Sun   Office Closed- Spring Break
April 1 Monday   Last Day for Administrative/ Student Withdrawals- 4:30pm
March 29- 31 Fri- Sun   Office Closed- Spring Holiday
May 5 Sunday   Instruction Ends
May 6- 12 Mon- Sun   Final Examinations
TBA Saturday   Graduation Exercises
May 12 Sunday   Semester Ends
May 13 Monday   Grades Due by- 12:00 Noon
May 17 Friday   Grades Available to Students