Biology 1406-General Biology I  
Syllabus


Or other college specific laboratory manual:

(For Northwest College.) Merritt R.G and Keating, R.J., Laboratory Exercises for College General Biology 1, University Copy Center, 2001

LEARNING SUPPLEMENT BUNDLED WITH VOLUME I
Garrett, Lori K.
Get Ready for Biology

Instructor: Dr. Harold Kay (Njemanze)

E-mail: Harold.njemanze@hccs.edu Haroldkay2@yahoo.com

Office hours: Will be immediately following lecture period.

You are encouraged to use my learning web at: http://learning.nwc.hccs.edu (Search for Harold Njemanze)

Course Objectives:
Course Description and Learning Objectives:
Refer to the revised Curriculum.

CREDIT: 4 SEMESTER HOURS (3 hours lecture; 3 hours lab.)

Course format:
The class activities will consist of a series of lectures/discussions, handouts, student classroom discussions, small and large group discussions, video and media presentation, reading assignments, quizzes, and examinations, local, national and international science news journal discussions and science presentation projects.
Attendance:
Attendance is mandatory. Tardiness will not be accepted. Students may be dropped after missing more than six hours of class time. You may refer to HCCS policy. Call or E-mail me if you MUST be absent. I do not need to know the reason for your absence.

Evaluation:
There will be a total of THREE lecture exams and a comprehensive final exam. This will make up 80% of your grade. There will be one lab exam. The lab exam/lab report will make up your lab grade. Which will be 20% of your grade. Completion of the lab reports will earn you the full marks for the lab report. Call or E-mail me if you MUST be absent. You (may) earn extra points for class participation.

Chapters to be covered:
Chapters 1 – 7 first lecture exam
Chapters 8 – 13 second lecture exam
Chapters 14 – 21 third lecture exam
Lab exams
Review for finals
Comprehensive Final Exam

Grading Scale: A=90-100; B=80-89; C=70-79; D=60-69; F=Less than or equal to 59.

ALL CELL PHONES AND OTHER ELECTRONIC DEVICES MUST BE TURNED OFF UNLESS I SPECIFICALLY APPROVE OF THEM.

ADA POLICY
This college adheres to all federal, state and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the policy of HCCS to provide reasonable accommodations for qualified individuals who are students with disabilities. It is the student’s responsibility to contact the counseling center (713-718-5422) in a timely manner to arrange for appropriate accommodations.

STUDENT DISCIPLINE:
Adult behavior is expected. Disruptive behavior/activities, which interfere with teaching and/or learning, will not be tolerated and may result in an administrative withdrawal without refund.

*SOME CHAPTERS MAY BE OPTIONAL. You are responsible for all the chapters to be covered in this course.
Topics to be covered:

Week 1: Hand Out Lecture and Lab Schedules. Organizational Session.
Chapter 1: introduction: themes in the study of life
Chapter 2: the chemical context of life
Chapter 3: water and the fitness of the environment
Chapter 4: carbon and molecular diversity

Week 2: Chapter 5: the structure and functions of macromolecules.

Week 3: Chapter 6: a tour of cells

Week 4: Chapter 7: membrane structure and function
Chapter 8: introduction to metabolism
Chapter 9: cellular respiration: harvesting chemical energy

Week 5: Chapter 10: photosynthesis

Week 6: Chapter 11: cell communication

Week 7: Chapter 12: the cell cycle
Chapter 13: meiosis and sexual life cycles
Chapter 14: Mendel and the gene idea
Chapter 15: the chromosomal basis of inheritance

Week 8: Chapter 16: the molecular basis of inheritance

Week 9: Chapter 17: from gene to protein

Week 10: Chapter 18: Regulation of Gene expression
Chapter 19: Viruses
Chapter 20: Biotechnology
Chapter 21: Genomes and their expression

Week 11: Fourth lecture exams
Comprehensive review

Week 12: Completion of lab reports

Week 13: Lab exam

Week 14: Thanks giving holiday

Week 15: Comprehensive review

Week 16: Final exams

PLEASE NOTE:
For five (5) Week Summer Session:
Week 1: Chapter 1 thru chapter 5 will be covered.
Week 2: Chapter 6 thru chapter 10 will be covered.
Week 3: Chapter 11 thru chapter 15 will be covered.
Week 4: Chapter 16 thru chapter 21 will be covered.
Week 5: Comprehensive exam review, completion of lab reports and final exams