

ABRAHAM BALDWIN AGRICULTURAL COLLEGE
BIOL 2012L HUMAN ANATOMY AND PHYSIOLOGY II LAB
SPRING 2010
Tuesday 1:00 – 3:00 (30484), 3:00 – 5:00 pm (30560)

L.S. REQ's: English 0099, Reading 0099

COURSE OBJ: A hands on approach to understanding the structure and function of the human body will be utilized. Laboratory experiences will be used in a detailed study of the structure and function of the human body. Topics covered include structure and function of the cardiovascular, respiratory, digestive, urinary, and reproductive systems, cellular metabolism, and fluid and electrolyte dynamics.

COURSE OUTCOMES: *The student will be able to....*

- Outcome 1 *demonstrate competence in laboratory skills and safety procedures*
- Outcome 2 *demonstrate an understanding of biological processes.*
- Outcome 3 *demonstrate a knowledge biological structures and relationships among structures.*
- Outcome 4 *demonstrate a knowledge of laboratory instruments and competence in their usage.*

INSTRUCTOR: Dr. Ray Barber

TEXTBOOK: Principles of Anatomy and Physiology by Tortora & Derrickson, 2009, 12th Ed.

LAB MANUAL: Laboratory Exercises in Anatomy and Physiology by Amitrano & Tortora, 2007 (required)

A.D.A.M Interactive Anatomy Student Lab Guide by Lafferty & Panella, 3rd Ed., 2005 (optional)

ATTENDANCE: The college attendance policy is on the generic syllabus. My policy is as follows. Students missing more than two laboratory sessions will receive an 'F' in the class. Two tardies will be considered one absence, therefore 5 tardies and no absences would also be an 'F'. This course meets once a week for two hours.

DISHONESTY: ABAC's policy on academic dishonesty is can be found in the college catalog. Academic dishonesty will not be tolerated in any form.

DISABILITIES: Reasonable accommodations will be made to students who have proper documentation and inform the instructor at the beginning of the course.

CELL PHONES: Cell phones, pagers and all other electronic communication devices must be turned OFF during each class or laboratory session.

GRADING: The student's grade will be determined from the following:
 POLICY

Midterm exam.....	60 points
Final exam.....	140 points
Lab Quizzes.....	100 points
Lab Reports.....	30 points
Special Interest Report.....	30 points
Total Possible Points -	360

All laboratory work must be completed before a student can receive a passing grade in the course.

MAKE-UP: Make-up tests will not be given except under very unusual circumstances.
TESTS If the student has a legitimate excuse, and arrangements can be worked out, the student will be permitted to request a makeup of a missed exam. The ultimate decision as to whether or not a makeup is permitted will be determined by the instructor.

CONFERENCES: Please come by and talk to me if you are having any problems with the material or with studying. My office is located in the Science Annex (Britt Hall), room 225, phone 391-5103. My email address is *rbarber@abac.edu*. In case of emergency my home phone is 386-9614.

OFFICE HOURS: I am available for assistance in my office most of the time that I am not in class or lab. My spring semester schedule is:
Monday - 12:00- 12:50 class
Tuesday - 11:00 – 12:15 class, 1:00 – 3:00 Lab, 3:00 – 5:00 Lab
Wednesday - 12:00- 12:50 class
Thursday - 8:00-9:30 meeting, 11:00 – 12:15 class
Friday - 12:00- 12:50 class

WITHDRAWALS: A student may withdraw from a course and receive a grade of "W" during the first half of the semester. Even though a student may withdraw from a course, that course counts as a W and may affect his/her financial aid status. The last day to withdraw without penalty is **Thursday, March 4, 2010**. After this date, students may withdraw only with the permission of the Division Chair. If permission is granted, students will be assigned W or WF according to their averages at the time they withdrew. A student who simply abandons the class will be given an F at the end of the semester.

EXAMS

LAB QUIZZES

#1 _____

#1 _____

#4 _____

#7 _____

#2 _____

#2 _____

#5 _____

#8 _____

#3 _____

#6 _____

#9 _____

#10 _____

SIR _____

TECH. _____

TOTAL PTS = _____

BIO 2012L LABORATORY - HUMAN ANATOMY AND PHYSIOLOGY II

BIOL 2012 Laboratory is scheduled to meet one day a week for two hours. There is a large amount of material which must be covered and this will require utilizing all of the lab time each week. It may also be to your advantage to spend extra time in the lab over the required hours. This can be arranged.

Lab quizzes will be given each week, a lab midterm exam near mid-semester and a lab final exam will be given at the end of the course. The midterm will each account for 60 points of your lab grade and final exam 140 pts. Lab reports will account for approximately 30 points. One hundred points of the lab grade will be based on lab quizzes given each week. The remaining 30 points will come from an oral report on the topic of your special interest report in BIOL 2011. The oral reports will be presented during the lab periods based on a schedule set up early in the semester.

The laboratory, is designed to help you learn basic concepts in anatomy and physiology. It is to your advantage to fully utilize your laboratory time. While in the laboratory, use care in handling the equipment for it is expensive and should not be abused in any way.

Laboratory – Britt 104

Macintosh Computers in Lab

Spring 2010
Time: 1:00 T & 3:00 T

TENTATIVE LAB SCHEDULE BIO 2012L

120 minutes/lab
Tortora - 12th Ed.
Amitrano Lab Manual 8th Ed.

<u>DATE</u>	<u>WEEK</u>	<u>TOPIC</u>
Jan. 12	1	Lab Orientation, Syllabus
Jan. 19	2	Blood – Ex. 16
Jan. 26	3	Blood con'd, Vessels Ex. 18
Feb. 2	4	Heart – Ex. 17
Feb. 9	5	ECG – Handout & Ex. 19
Feb. 16	6	Cardiovascular Physiology – Turtle
Feb. 23	7	LAB PRACTICAL – MIDTERM
Mar. 2	8	TBA
Mar. 9	9	Respiratory System (Ex. 21 & handout)
Mar. 16	10	SPRING BREAK – no lab
Mar. 23	11	Digestive System – Ex. 22
Mar. 30	12	Metabolism – Cellular Respiration (handout)
April 6	13	Urinary System - Ex. 23 & cat dissection
April 13	14	Reproductive System - Ex. 25
April 20	15	LAB PRACTICAL FINAL EXAM
April 27	16	Case Study Review/Reports