

ABRAHAM BALDWIN AGRICULTURAL COLLEGE

BIOL 2012 ANATOMY & PHYSIOLOGY II

TR 11:00 – 12:15

SPRING 2010 CRN 30477

COURSE OBJECTIVE: An integrated approach to understanding the structure and function of the human body will be utilized. Lecture, audiovisual displays, computer animation, and classroom discussion will be used in a detailed study of the structure and function of the human body. Topics covered include cellular metabolism; fluid, electrolyte, and acid base dynamics; and the following systems: cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive.

PRE-REQUISITES: Completion of BIOL 2011 AND BIOL 2011L with a 'C' or better

CO-REQUISITE: BIOL 2012L

COURSE OUTCOMES: Upon successful completion of this course, students should be able to demonstrate a knowledge of:

1. *chemistry associated with living systems*
2. *the structure and function of the cardiovascular system*
3. *the structure and function of the lymphatic system*
4. *the structure and function of the respiratory system*
5. *the structure and function of the digestive system*
6. *the structure and function of the urinary system*
7. *the structure and function of the reproductive system*

Instructor: Dr. Ray Barber

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

Optional Materials: None recommended

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

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

Cell Phones: Cell phones, pagers, and all other electronic communication devices must be turned OFF and put up during each class or laboratory session

Conferences: Office – Britt Hall, room 225
Phone - 391-5103, Emergency – home 386-9614
Email – rbarber@abac.edu

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

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|---|--|-------------------------|------------|-------------------------------|------------|---|------------------|-------------------------|-----|
| Attendance: | Numerous research studies have shown that students who regularly attend class earn better grades than those who are inconsistent in their attendance. | | | | | | | | |
| Attendance Policy: | My attendance policy is... students missing more than 6 classes will receive an 'F' in the class. Two tardies will be considered one absence, therefore more than 12 tardies and no absences would also be an 'F' This class meets twice a week for 75 minutes per session. The college attendance policy can be found on the generic syllabus. | | | | | | | | |
| 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 but will be assigned a WF. A student who simply abandons the class will be given an F at the end of the semester based on the attendance policy. | | | | | | | | |
| Grading Policy: | <p>The student's grade will be determined from the following:</p> <table> <tr> <td>Four lecture exams.....</td> <td>400 points</td> </tr> <tr> <td>Comprehensive final exam.....</td> <td>150 points</td> </tr> <tr> <td>Outside Assignments/ pop quizzes/daily ques. (Instructor option)...</td> <td><u>70 points</u></td> </tr> <tr> <td>Total Possible Points -</td> <td>620</td> </tr> </table> <p>A = 558 - 620 (90-100%) B = 496 - 557 (80-89%) C = 434 - 495 (70-79%) D = 372 - 433 (60-69%) F = below 372 (less than 60%)</p> <p>Short pop quizzes may be given throughout the course.</p> | Four lecture exams..... | 400 points | Comprehensive final exam..... | 150 points | Outside Assignments/ pop quizzes/daily ques. (Instructor option)... | <u>70 points</u> | Total Possible Points - | 620 |
| Four lecture exams..... | 400 points | | | | | | | | |
| Comprehensive final exam..... | 150 points | | | | | | | | |
| Outside Assignments/ pop quizzes/daily ques. (Instructor option)... | <u>70 points</u> | | | | | | | | |
| Total Possible Points - | 620 | | | | | | | | |
| Examinations: | Students enrolled in classes in the Division of Science and Mathematics will be expected to demonstrate an understanding of subject matter requiring higher order processing skills. Examination questions may include essay, synthesis, analysis, and application; as well as completion, multiple choice, true false and matching. Computation skills and drawing or diagramming may also be required. | | | | | | | | |
| Missed Exams: | Make-up tests will not be given except under very unusual circumstances. If the student has a legitimate excuse, he or she will be permitted to substitute the percentage score on the final exam for the missed exam. Substitution for only one missed exam will be permitted. Should a student not miss an exam then the final exam percentage score will substitute for the lowest lecture exam unless the percentage score on the final is lower than all the exam scores, in which case no substitution will take place. | | | | | | | | |

BIOL 2012 CLASS SCHEDULE

Spring Semester 2010
Lecture Hour: 11:00 TR

R. Barber –Instructor
Tortora, 12th Ed.

| <u>Date</u> | <u>Topic</u> | <u>Pages</u> |
|-------------|---|--------------|
| Jan. 12 | Class orientation, Blood (19) | 689-713 |
| 14 | Blood (19) | “ |
| 19 | Heart (20) | 717-755 |
| 21 | Heart (20) | “ |
| 26 | Vessels (21) | 760-825 |
| 28 | Vessels (21) | “ |
| Feb. 2 | Lymphatic System & Immunity (22) | 831-868 |
| 4 | Exam I - Thursday (Chap 19, 20, 21)) | “ |
| 9 | Lymphatic System & Immunity (22) | “ |
| 11 | Lymphatic System & Immunity (22) | “ |
| 16 | Respiratory System (23) | 874-915 |
| 18 | Respiratory System (23) | “ |
| 23 | Respiratory System (23) | “ |
| 25 | Respiratory System (23) | “ |
| Mar. 2 | Exam II – Tuesday (Chap 22, 23) | |
| 4 | Digestive System (24) | 921-970 |
| 9 | Digestive System (24) | “ |
| 11 | Digestive System (24) | “ |
| 16 | Spring Break | |
| 18 | Spring Break | |
| 23 | Digestive System (24) | “ |
| 25 | Digestive System (24) | “ |
| 30 | Metabolism (25) | 977-1013 |
| April 1 | Exam III - Thursday (Chap 24, 25) | |
| 6 | Metabolism (25) | “ |
| 8 | Urinary System (26) | 993-1031 |
| 13 | Urinary System (26) | “ |
| 15 | Urinary System, Fluid, Electrolyte and Acid/Base Homeostasis (27) | 1062-1077 |
| 20 | Fluid, Electrolyte and Acid/Base Homeostasis (27) | “ |
| 22 | Reproductive System (28) | 1081-1126 |
| 27 | Exam IV - Tuesday (Chap 25, 26, 27) | |
| 29 | Reproductive System (28) | “ |
| May 4 | FINAL EXAM 10:15 – 12:15 | |