

Anatomy/Physiology II Syllabus 2008-2009
Craig A. Lobdell Instructor

Text: Essentials of Anatomy & Physiology
John Hole Jr. 2005 10th edition
Additional materials: Grey's Anatomy
Anatomy Coloring Book

This course is a continuation from your junior year. The primary focus senior year will be system anatomy. The student will be exploring various systems as they relate to the living functional human. The course will begin with an in depth study of the central nervous system: brain, spinal cord and associated neural cells. The somatic senses: eyes, ears, nose, mouth and equilibrium will follow the discussions of the nervous system. The endocrine system, digestive, respiratory, circulatory, urinary, and reproductive systems will also be examined. The course will end with discussions on the immune and lymphatic systems. During the year the students will be dissecting gross organs as they relate to specific systems.

This material will be presented in lectures, labs, class discussions, hand-outs, text readings, and questions, readings outside class, outside research, guest speakers and written reports. Since this is an **honors course**, it is expected that the student perform at this level. The task of mastering the material rests solely upon the student. Class time will be spent discussing the appropriate material as well as performing labs that pertain to the current topics. At the end of each grading period, the student will receive a .5 bump on any grade higher than a C. Therefore, a C would convert to a C+, etc.

The following is a brief overview of the major topics to be covered: Unit 3: Integration and Coordination
Unit 4: Processing and Transport
Unit 5: Reproduction and Birth
Unit 6: Health and Body Defenses

Objectives:

To develop an interest in medical and allied medical professions that may develop into a life long pursuit.

To appreciate the complexity of the human body.

To have an understanding on how to promote good mental and physical health in ourselves.

To develop an awareness of current findings in the medical fields.

Homework:

The student is to check the board for weekly assignments. As this is an honors course, the student is responsible for completing assignments (vocabulary, questions, handouts and chapter readings) in a notebook for their own study purposes. Unless this is done as assigned, it will be difficult to maintain an acceptable grade. **Late homework or homework not completed satisfactorily, will be accepted; but the student will not receive full credit.** Late homework will receive a 60% grade. If you have extenuating circumstances, please see me and we will work out a plan to get you back on track.

Students will be expected to remain informed on current issues regarding technology and advances in the medial field. These issues must accompany specific units or learn objectives as discussed in the classroom.

Students will be required to use proper lab techniques and safety precautions during lab periods. Students will be responsible for any breakage, damage or loss of any equipment used. Playing around in the lab will not be tolerated and may result in the loss of credit for that lab.

All light, fan and window controls are to be operated by the instructor only. Prep rooms are off limits to all students. Since you are responsible for all damage to your work area, you are expected to inspect you assigned work area for signs of damage at the beginning and the end of each period and report any damage immediately to the instructor.

Classroom Rules and Procedures:

Adult behavior is expected at all times. The rules and procedures to be followed in the classroom center on the production of a proper learning environment and atmosphere of respect between the students and the teacher. Behaviors that interfere with the above are not acceptable.

Specific Regulations:

Harassment of any kind will not be tolerated. See student agenda for specific actions taken.

Students should go immediately to their assigned seats when entering the room before the bell rings.

Class tardies will be dealt with in accordance to the student agenda see instructor's addendum.

No hats, radios, CD players, Game-Boys, games (including cards), food or drink is not permitted in the classroom or laboratory at any time.

Students should report any evidence of vandalism in the immediate area to the instructor right away.

Attendance Policy:

Be in class everyday. Daily Attendance will be a part of your grade. Therefore it is imperative for you to attend class regularly and be on time. See attendance policy in the student agenda.

All work missed by the student is to be made up on a timely basis: 2 weeks for extended absence, a few days for short absences. The time frame for making up missed assignments should be arranged between the student and the instructor. Failure to make up work on a timely basis results in a zero.

Textbooks: Textbooks are the property of Delaware Area Career Center and are loaned out to students on a yearly basis. Books are to be covered at all times and brought to the classroom daily.

Hall Pass: Hall passes are a privilege and must be earned. Hall passes will only be give 5 minutes before class or 5 minutes toward the end of class, and only to those students who have completed their daily assignments and behave properly. Hall passes may be used in emergency cases.

Testing: Chapter tests unit tests, long quizzes and short quizzes will be given during this course. All tests will be announced verbally, as well as being written on the board. Short quizzes may be announced or unannounced.

Cheating incurs an automatic zero notification of parents, and notification of the Dean (this includes plagiarism-see Student Handbook)

Should the student be absent during a testing procedure, the make-up time will be on the Wednesday after school or at my discretion. Tests will not be returned until all the make-up tests have been completed.

Grading: Each test, quiz and assignments will be worth a given number of points. The total number of points possible will base the student's grade on the points you have earned for the quarter divided. A sample calculation is as follows:

Student Score	Possible Score
Tests 160	Tests 200
Quizzes 70	Quizzes 80
Labs, written work 44	Labs, written work 50
274 points	330 points

($274/330=83\%$ final percentage average)

I am here to assist you in your educational endeavor: however, I cannot do that if you do not come to me when you need help. I am available by appointment only. Please make sure you make an appointment if you are having problems or concerns of any kind.

Final note: It is the nature of this course that makes it time consuming. Anatomy is a very exact and precise science. Physiology is the inter workings of the anatomical structures. It may be necessary for you the student to spend a lot more time trying to master this material. Good Luck! We are in this together!!

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The primary work during the year will involve introductory concepts in anatomy and physiology. The student will learn about basic anatomical terms in relation to reference points throughout the body, various planes and sections, and regional anatomical terminology. A brief review of biological principles such as the cell cycle and DNA and protein synthesis will proceed investigations into tissues, integumentary system, skeletal system, joints and articulations and muscular system. The class will come to a close using the cat as a model for dissection purposes. Time permitting other areas according to students' interest may be surveyed.

This material will be presented in lectures, labs, class discussions, hand-outs, text readings, and questions, readings outside class, outside research, guest speakers and written reports. Since this is an **honors course**, it is expected that the student perform at this level. The task of mastering the material rests solely upon the student. Class time will be spent discussing the appropriate material as well as performing labs that pertain to the current topics. At the end of each grading period, the student will receive a .5 bump on any grade higher than a C. Therefore, a C would convert to a C+, etc.

The following is a brief overview of the major topics to be covered: Unit 1: Levels of Organization,
Unit 2: Support and Movement
Unit 3: Integration and Coordination

Objectives:

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Adult behavior is expected at all times. The rules and procedures to be followed in the classroom center on the production of a proper learning environment and atmosphere of respect between the students and the teacher. Behaviors that interfere with the above are not acceptable.

Specific Regulations

Harassment of any kind will not be tolerated. See student agenda pg. 35 for specific actions taken.

Students should go immediately to their assigned seats when entering the room before the bell rings.

Class tardies will be dealt with in accordance to the student agenda pg.15: see instructor's addendum.

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