COURSE NUMBER: BIOL 2402

COURSE TITLE: Anatomy and Physiology II

COURSE DESCRIPTION
Continued study of structure and function related to the human endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Additional topics include: composition and functions of blood; the immune response; fluid, electrolyte, and pH balance; and human development. Emphasis is placed on the interrelationships of these systems. Lab required. Prerequisite: BIOL 2401 with a grade of "C" or better within the last three years. 4 credit hours.

CREDIT HOURS: 4
Lecture Hours: 3
Lab Hours: 4

PLACEMENT ASSESSMENT(S): Placement in ENGL 1301; MATH 0310; College-Level Reading

PRE-REQUISITE: BIOL 2401 with a grade of “C” or better within the last three years.

CO-REQUISITE: BIOL 2402 Laboratory

REPEAT POLICY: A student may repeat this course only once after receiving a grade, including “W”.

CAMPUS SECURITY: In case of emergency, contact Campus Police at 972.578.5555

COURSE RESOURCES
Required: Fundamentals of Anatomy & Physiology; 10th edition; Martini, Nath & Bartholomew
Recommended: Pearson My Lab and Mastering, publishing as Pearson Benjamin Cummings
Get Ready for A&P, Garrett
Medical dictionary (Taber’s, Dorland’s, Stedman’s, etc)

SUPPLIES: See instructor addendum.

STUDENT LEARNING OUTCOMES
Upon completion of this course, students will:
1. Work within groups to identify and describe the major gross anatomy and microscopic components to make informed decisions on location, organization, structure, and function. (Teamwork)
2. Work individually or within groups to analyze and explain the functional and physiological roles of applicable body systems including endocrine system, circulatory system, lymphatic and immune systems, respiratory system, digestive system, urinary system, fluid/electrolyte and acid/base (pH) balances, reproductive system, development and inheritance. (Critical Thinking Skills)
3. Communicate knowledge of the above body systems through scientific papers, lab reports, discussions, and/or presentations. (Communication Skills)
4. Utilize scientific tools and laboratory equipment to collect and analyze data. (Empirical and Quantitative Skills)
5. Qualitatively and quantitatively investigate and describe homeostatic mechanisms of these body systems (Empirical and Quantitative Skills)
6. Analyze and describe the reasoning processes applied to scientific investigation and thinking integrating all body systems. (Critical Thinking Skills)

METHOD OF EVALUATION
Lecture exams will be given covering the text and lecture topics. The laboratory grade will be integrated with the lecture grade to produce the final overall course completion grade at the end of the semester.

Overall course grade: Lecture 60%, lab 40%

Lecture: Four (4) minimum required major exams
Quizzes or other assessments as determined by the instructor

The offering of bonus / extra points is optional. If the instructor chooses to give bonus / extra credit points, the following maximum point values have been determined by the biology department faculty:

Maximum five (5) points per 100 point lecture exam or final.
Bonus / extra points are neither acceptable nor available to add to the final course grade.

ATTENDANCE
Lecture attendance is mandatory. Individual conflicts with this policy are to be discussed with the instructor. Students who stop attending class and do not officially withdraw from the course in accordance with the Collin College Academic Calendar will be assigned a course grade of “F”.
AMERICANS WITH DISABILITIES ACT

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

COLLIN COLLEGE ACADEMIC POLICIES: See the current Collin Student Handbook and instructor addendum.

Every member of the Collin College community is expected to maintain the highest standards of academic integrity. Collin College may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, statements, acts, or omissions related to applications for enrollment or the award of a degree, and/or the submission as one’s own work material that is not one’s own. Scholastic dishonesty may involve, but is not limited to, one or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher’s editions, use of information about exams posted on the Internet or electronic medium, and/or falsifying academic records. While specific examples are listed below, this is not an exhaustive list and scholastic dishonesty may encompass other conduct, including any conduct through electronic or computerized means.

Plagiarism is the use of an author’s words or ideas as if they were one’s own without giving credit to the source, including, but not limited to, failure to acknowledge a direct quotation.

Cheating is the willful giving or receiving of information in an unauthorized manner during an examination; collaborating with another student during an examination without authority; using, buying, selling, soliciting, stealing, or otherwise obtaining course assignments and/or examination questions in advance; copying computer or Internet files; using someone else’s work for assignments as if it were one’s own; or any other dishonest means of attempting to fulfill the requirements of a course.

Collusion is intentionally or unintentionally aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, failing to secure academic work; providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate about an examination or any other course assignment; removing tests or answer sheets from a test site; and allowing a classmate to copy answers. In cases where an incident report has been filed for alleged violation of scholastic dishonesty, faculty are requested to delay posting a grade, for the academic work in question, until the Dean of Students Office renders an administrative decision of the case. Students found responsible for scholastic dishonesty offenses will receive an authorized disciplinary penalty from the Dean of Students Office. The student may also receive an academic penalty in the course where the scholastic dishonesty took place. The professor will determine the appropriate academic penalty.

STUDENT CONDUCT

Collin College expects students to conduct themselves in class in such a way as to not interfere with or disrupt the educational process. Students are to speak and act in a respectful manner toward their fellow students and the professor. Those who participate in inappropriate behavior such as, excessive talking, electronic device use, verbal altercations, or blatantly disregarding instructor’s directions will be asked to leave the class. Continuance of such behavior can result in permanent removal.

LATERAL TRANSFERS

Lateral transfers will not be granted after the 4th week of class or after the first lecture exam, which ever comes first. Exceptions to this are for documented changes in work schedule or family emergencies. If a student does transfer to another section, all previous grades will accompany the student. However, the new instructor can require the student to retake any exam or quiz. For questions concerning this policy, contact the Associate Dean in the appropriate Academic Affairs Office.

WITHDRAWAL POLICY: See the current Collin Registration Guide for the last day to withdraw.

IF YOU HAVE DIFFICULTIES

First contact your instructor. If you are unable to resolve the problem, contact the appropriate Academic Affairs Office at that campus.

INSTRUCTOR SYLLABUS / ADDENDUM

Please read and review regarding specific course information, schedule, and contact information.

http://iws.collin.edu/mweis/BIOL%202402/Lecture/240220Lecture%20Info/AP_2402_lecture_Combo_addendum.htm
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Orientation Notes: