COURSE NUMBER: BIOL 2401

COURSE TITLE: Anatomy and Physiology I

CREDIT HOURS: 4  LECTURE HOURS: 3  LAB HOURS: 4

PRE-REQUISITE: BIOL 1406

CO-REQUISITE: BIOL 2401 Lecture

COURSE DESCRIPTION

Study of cell structure and function, tissues, and the integumentary, skeletal, muscular, nervous, and sensory systems. Emphasis is on structure, function, and interrelationships of the human systems. Lab required.

TEXTBOOKS FOR LABORATORY

Human Anatomy and Physiology Laboratory Manual, 9th edition cat version with PhysioEx, Elaine Marieb

SUPPLIES

Loose-leaf notebook to keep lab reports and handouts, colored pencils or markers, lab coat or apron, exam gloves, surgical or dust mask, safety glasses, dissecting kit

LEARNING OBJECTIVES - Measurable Student Learning Outcomes

Upon completion of this course the students should be able to do the following:

1. Describe and microscopically identify the basic tissues of the body, give their locations and explain their functions.
2. Identify and describe the major gross and microscopic anatomical components of the integumentary system and describe their functions.
3. Identify and describe the major gross and microscopic anatomical components of the skeletal system and explain their functional roles in osteogenesis, repair, and body movement.
4. Identify and describe the major gross and microscopic anatomical components of the muscular system and explain their functional roles in body movement, maintenance of posture, and heat production.
5. Identify and describe the major gross and microscopic anatomical components of the nervous system and explain their functional roles in communication, control, and integration.
6. Identify and describe the major gross and microscopic anatomical components of the special senses and explain their functional roles in vision, hearing, equilibrium, olfaction, gustation, pain, temperature, touch, pressure, and position.

COURSE REQUIREMENTS

The laboratory will have three comprehensive practical examinations, in addition to lab quizzes and formal typed lab reports. All students are required to actively participate in laboratory experiments and dissections. Students who simply observe the work of others will not receive credit for that laboratory assignment.

COURSE FORMAT

Laboratory section includes dissection of a mammal and mammalian organs, as well as study of models, slides, and charts correlating with lecture topics. Experiments and dissections will be mainly student participation, with some instructor demonstrations. Films and other audio-visual materials may be used.

METHOD OF EVALUATION

Lab: 3 required practical exams - 20% each = 60% of lab grade
      quizzes (8 minimum required) - 20% of lab grade
      lab reports (3 minimum required in a scientific format) - 20% of lab grade

The offering of bonus / extra points is optional. Bonus questions require more in depth knowledge. If given the maximum point values are:

Maximum 1 point per 10 point lab quiz
Maximum 5 points per 100 point lab practical
Maximum 0 points (no extra / bonus) per lab report

Bonus / extra points are neither acceptable nor available to add to the final grade.
ATTENDANCE POLICY

Laboratory attendance is mandatory. **Lab make-ups are only possible the week of the lab**, and the student must have permission to attend another lab. If a student misses one of the practical exams, they must make-up the exam. Instructors cannot count one practical exam grade twice. Contact your instructor immediately if you fail to take one of the practical exams. If you do not drop in accordance with the CCCC Academic Calendar, a grade of “F” will be assigned. **Religious Holidays**: refer to Policies and Procedures, Sub-section Religious Holidays in the current Student Handbook. The last day to withdraw is 11/16/07.

STUDENT CONDUCT

The 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, cell phone or pager use, verbal altercations, or blatantly disregarding instructor’s directions will be asked to leave the class. Continuance of such behavior will result in permanent removal.

LATERAL TRANSFER POLICY

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 and 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 Biology Department Chair.

REPEAT POLICY

You may repeat this course only once after receiving a grade, including W.

ACADEMIC ETHICS

The College District 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 (1) or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher’s editions, and/or falsifying academic records.

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, illicitly obtaining 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 aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate during an examination; removing tests or answer sheets from a test site, and allowing a classmate to copy answers.

Contact the Dean of Students for the student disciplinary process and procedures or consult the CCCCD Student Handbook.

LAB POLICIES AND PROCEDURES

No eating or drinking of any kind is allowed in the lab. Proper dress is required at all times. This includes no open toed shoes. An instructor has the right to ask a student that is improperly dressed to leave the lab or modify how they are dressed.

IF YOU HAVE DIFFICULTIES

First see or call your instructor. If you are unable to resolve the problem, contact the divisional secretary at your campus.

AMERICAN DISABILITIES ACT STATEMENT

It is the policy of Collin County Community College to provide reasonable and appropriate accommodations for individuals with documented disabilities. This college will adhere to all applicable Federal and State laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS Office in a timely manner if he/she desires to arrange for appropriate accommodations.
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