

# COLLIN COLLEGE DISTRICT LECTURE SECTION SYLLABUS

**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

## COURSE RESOURCES

Required: Fundamentals of Anatomy & Physiology; current 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". See *Collin handbook for withdraw date*.

## 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 to arrange for appropriate accommodations. See campus directory for ACCESS contact number. 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. All work submitted for credit is expected to be the student's own work. 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.

**General Scholastic Dishonesty** includes, but is not limited to, statements, acts, or omissions related to applications for enrollment, credit or class work, research, or the award of a degree; and/or falsifying academic records or documents. Students are expected to record honestly and accurately the results of all their research. Falsification of research results shall include misrepresentations, distortions, or omissions in data or reports on research.

**Plagiarism** includes, but is not limited to, intentionally or unintentionally failing to quote and cite an author's words, information, and/or ideas in accordance with American Psychological Association (APA) Style, Modern Language Association (MLA) Style, The Chicago Manual of Style (Chicago Style), or another citation style approved by the professor. In cases where an incident report has been filed for an alleged violation of scholastic dishonesty, the faculty member shall delay posting a grade for the academic work in question

**Cheating** includes, but is not limited to, having access to unauthorized materials or electronic, digital media, telecommunication, and/or wearable devices (i.e., phones, smart watches, Fitbits, Bluetooth devices, tablets, etc.) during an examination; the giving or receiving of information in an unauthorized manner during an examination or to complete an assignment; using, buying, selling, soliciting, stealing, or otherwise obtaining course assignments and/or examination questions in advance; using someone else's work for an assignment as if it were one's own; submitting or resubmitting an assignment in whole or in part (i.e., recycling an assignment) for more than one (1) class or institution without permission from each of the professors; using annotated texts or teacher's editions; using information about exams posted on the Internet or in any electronic medium; leaving a test site without authority; failing to secure test materials; removing tests or answer sheets from a test site; and any other dishonest means of attempting to fulfill the requirements of a course.

**Collusion** includes, but is not limited to, intentionally or unintentionally aiding or attempting to aid another in an act of scholastic dishonesty; failing to secure academic work; providing a paper or project to another student; providing an inappropriate level of assistance; unauthorized collaboration or communicating answers to a classmate about an examination or course assignment; 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 faculty member shall determine the appropriate academic penalty, which may range from a grade of zero (0) on the assignment to failing the course.

## 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://faculty.collin.edu/mweis>

Or use the provided links in Canvas for Concourse Syllabus

**BIOLOGY 2402 - ANATOMY & PHYSIOLOGY II  
PROPOSED DISTRICT GENERAL LECTURE SCHEDULE**

WEEK	LECTURE TOPICS	TEXT READING ASSIGNMENT
1	The Endocrine System	Ch. 18
2	The Endocrine System	Ch. 18
3	The Reproductive System	Ch. 28
4	Human Development	Ch. 29
5	The Cardiovascular System: Heart Anatomy	Ch. 20
6	The Cardiovascular System: Heart Physiology	Ch. 20
7	The Cardiovascular System: Vessels, Routes	Ch. 21
8	The Cardiovascular System: Blood	Ch. 19
<b>*** Withdraw Date: See College Calendar***</b>		
9	The Lymphatic System	Ch. 22
10	The Immune System	Ch. 22
11	The Respiratory System	Ch. 23
12	The Urinary System	Ch. 26
13	Fluid, Electrolyte, Acid-Base Balance	Ch. 27
14	The Digestive System	Ch. 24
15	Metabolism and Energetics	Ch. 25
16	<b>Final Exams</b>	

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