

**ANATOMY & PHYSIOLOGY II
BIOL 2402 – LECTURE/LAB
SUMMER 2009 (TSTC) - ONLINE**

	LECTURE:	LAB:
INSTRUCTOR:	Andrea Miranda	Mitch Brumbelow
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OFFICE HRS:	TBA	TBA

**** Communication is a vital component for success in this course. Email is the best form of communication for both instructors.****

Basic Course Information:

- a. This is an online course that uses “*Moodle*” as a platform for class information
- b. *Prerequisites*: There are no official prerequisites. However, the student must be able to read and write proficiently at the college level.
- c. *Credit Hours*: 4 credit hours
- d. *Course Objectives*: The course is designed to give the science student an in-depth understanding of the morphology, physiology, and taxonomy of representative groups of microorganisms with emphasis on pathogenesis, disinfection, and sanitation.

Required Materials:

- Lecture
 - Textbook: **Human Anatomy & Physiology, Seventh Edition**. Elaine N. Marieb and Katja Hoehn. 2007. Pearson Benjamin Cummings. (ISBN: 978-0-8053-5909-1)
 - Lab
 - Textbook: *See above information*
 - Manual: **Human Anatomy & Physiology Laboratory Manual, Cat Version, 9th Edition (with PhysioEx CD)**. Elaine N. Marieb, Susan J. Mitchell. 2009. Pearson Benjamin Cummings (ISBN: 978-0-8053-7236-2)
 - **Anatomy & Physiology Revealed 2.0 CD**. 2008. McGraw Hill. (ISBN: 78-007-337807-7)
 - **Course Compass**: Packaged with textbook
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GRADING:

LECTURE		50%
Exams (4)	50%	
LAB		40%
Lab Manual Assignments	0%	
Lab Manual Exams	10%	
APR Self-Test Assignments	15%	
Physio-Ex Lab Exams	15%	
LECTURE FINAL		10%
TOTAL:		100%

Grading System: A final semester grade will be based as follows:

A = 89.5% and above

B = 79.5 – 89.49

C = 69.5 – 79.49%

D = 59.5 – 69.49

F = 59.49% and below

I = Incomplete (failure to complete the requirements of the course)

NOTE:

*** There will be **NO EXTRA CREDIT** given for the Lecture or Lab portions of the class.

*** **LATE WORK WILL NOT BE ACCEPTED** for either the Lecture or Lab assignments.

*** Exams will be **AVAILABLE** for you to complete from **THURSDAY 1 AM (Central Daylight Time) THROUGH SATURDAY 11 PM (Central Daylight Time) FOR THE WEEK DESIGNATED AS EXAM WEEK.**

*** You will only be given **ONE EXAM ATTEMPT.** *Exceptions may be made under extenuating circumstances.*

*** There are **NO MAKE-UP EXAMS** because you have the opportunity to drop your lowest Lecture exam grade. **THERE ARE NO EXCEPTIONS TO THIS POLICY!!!**

*** IF YOU HAVE COMPUTER DIFFICULTY, OR A COMPUTER MALFUNCTION, AND ARE NOT ABLE TO FINISH AN EXAM, THE EXAM WILL NOT BE RESET FOR YOU TO RE-TAKE. THE EXAM WILL BE USED AS YOUR DROP GRADE. **NO EXCEPTIONS!!!** If this happens multiple times during the semester, you will be given one drop grade and the remaining will be counted as zeroes.

*** You will also have the opportunity to drop your lowest grade within the “APR Self-Test Assignment” category and the “Physio-Ex Lab Exam” category.

*** **You may be randomly chosen to take your final exam at Western Texas College in Snyder, Texas**

LECTURE SCHEDULE

Week of:	Topic	Chapter
May 11 th	Course Intro; Endocrine System	16
May 18 th	Blood; Cardiovascular System (Heart)	17, 18
May 25 th	FIRST EXAM	
June 1 st	Cardiovascular System (Blood Vessels)	19
June 8 th	Lymphatic System; Immune System	20, 21
June 15 th	SECOND EXAM	
June 22 nd	Respiratory System	22
June 29 th	Digestive System	23
July 6 th	THIRD EXAM	
July 13 th	Urinary System	25
July 20 th	Reproductive System	27
July 27 th	Pregnancy and Human Development	28
Aug. 3 rd	FOURTH EXAM	
Aug. 10 th	<i>Review for Final</i>	
Aug. 17 th	FINAL EXAM	

Disclaimer: As always, circumstances can prevent coverage of the material in this chronology and in the expected time frame

Other Important Dates

- Lecture Exam Dates
 - Exam #1: **Opens at 1 am on May 28th and closes at 11 pm on May 30th**
 - Exam #2: **Opens at 1 am on June 18th and closes at 11 pm on June 20th**
 - Exam #3: **Opens at 1 am on July 9th and closes at 11 pm on July 11th**
 - Exam #4: **Opens at 1 am on August 6th and closes at 11 pm on August 8th**
 - Final Exam: **Opens at 1 am on August 17th and closes at 11 pm on August 20th**
 - Proctored Final Exam (make sure you have at least one of these dates available in case you are selected): **Aug. 18th (10 am); Aug. 20th (10 am)**. *Will be taken at Western Texas College (Snyder, Tx) in Building 4: Room 101.*
 - Lab
 - **PLEASE SEE THE SEPARATE LAB SYLLABUS FOR MORE DETAILED INFORMATION CONCERNING LAB DEADLINES AND DATES.**
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ADDITIONAL INFORMATION:

Information about Learning Objectives and Student Outcomes

- A. Course Goals:** The following list of course objectives will be addressed during the course. These objectives are directly related to the student learning outcomes.
- To understand and apply methods and appropriate technology to the study of natural sciences.
 - To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
 - To identify and recognize the differences among competing scientific theories.
 - To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.
- B. Student Learning Outcomes:**
- Student will demonstrate an ability to use the scientific method to interpret data and facts in virtual lab assignments. Lab assignments will be done on a weekly basis.
 - The student will be assessed by multiple-choice, true-false, and short answer examinations.
- C. Texas Higher Education Coordinating Board Core Curriculum:**
- Intellectual Competencies:*** A series of basic intellectual competencies considered essential to the learning process in any discipline.
 - Reading X
 - Speaking _____
 - Critical Thinking X
 - Writing X
 - Listening _____
 - Computer Literacy X
 - Exemplary Objectives for Natural Science:*** The objective of the study of a natural science is to enable the student to understand, construct, and evaluate relationships in the natural sciences, and to enable the student to understand the bases for building and testing theories.
 - To understand and apply method and appropriate technology to the study of natural sciences
 - To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing
 - To identify and recognize the differences among competing scientific theories
 - To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies
 - To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture
 - Individual Development and Educational Assessment (IDEA):*** As the primary criteria to evaluate the course, the IDEA class evaluation survey is administered at the end of the semester. The survey asks students to rate the amount of the educational progress they made based on a set of twelve learning objectives. Your instructor has chosen 3-5

specific learning objectives from this set that he or she considers to be “Essential” or “Important” learning objectives for this course:

- i. Essential: Gaining factual knowledge (terminology, classifications, methods)
- ii. Important: Learning fundamental principles, generalizations, or theories

Attendance Policy:

This is an online lecture/lab and therefore no attendance will be required in the normal classroom sense. However, there will be a weekly attendance forum posted. Those that do not complete work on time will have counseling notified at Western Texas College and the appropriate steps will be taken to rectify the problem.

In order to stay up-to-date with the course, it is imperative that you ACCESS THE WEBSITE AT LEAST ONCE DAILY

Academic Integrity:

Cheating of any kind on exams, quizzes, and assignments will not be tolerated. Refer to the Western Texas College catalog for proper student conduct and consequences of cheating and/or plagiarism.

You may be randomly chosen to take your final exam at Western Texas College in Snyder, Texas

Campus Support Services and locations:

A counseling and guidance program is available for all Western Texas College students to aid in career direction in order that students may realize the greatest possible benefits from their education endeavors. Qualified counselors are readily accessible for consultation with students on matters of educational, social, or personal concern. Information is also available at the Counseling Center in printed form on drug and alcohol abuse, study skills, AIDS, pregnancy, military service, and many other concerns.

Technology:

This is an online course that requires you to have substantial knowledge about computers. You must be able to use Microsoft Office proficiently in order to complete assignments. You will be accessing *Moodle* to view your class information. In an effort to avoid confusion about the *Moodle* platform, please visit the Science Department webpage at <http://www.wtc.edu/science/index.html>. There are short videos which answer frequently asked questions.

If at any time you have a technical issue, contact the Information Technology Department at their extended hour phone number: **(325) 574-6599**

ADA Statement:

WTC does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities. The college counselors have been designated to coordinate compliance with the nondiscrimination requirements contained in section 35.107 of the Department of Justice regulations. Information concerning the provisions of the Americans with Disabilities Act, and the rights provided thereunder, are available from the college counselors.

Special Considerations:

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact me as soon as possible so that the necessary accommodations can be made.