

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u> Biology </u>
COURSE RUBRIC AND NUMBER	<u> BIOL 2402 </u>
COURSE TITLE	<u> Anatomy & Physiology II (Lecture + Lab) (CF) (MNS) </u>
COURSE CREDIT HOURS	<u> 4 3 : 3 </u> Credits Lec Lab

I. Catalog Description

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Although BIOL 2401 may be taken concurrently, it is strongly recommended that BIOL 2401 is completed before BIOL 2402. **Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a “C” or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or ESOL 0340; and BIOL 1306 and 1106 with a “C” or better or Biology CLEP exam. (3:3). Lab fee.**

II. Course Objectives

LECTURE AND LABORATORY

The objectives for the lecture and lab are essentially the same. The lecture stresses the theoretical aspects of human anatomy and physiology while the laboratory focuses on applications with a significant “hands-on” component.

Upon satisfactory completion of this course, the students will be able to:

- A. Describe the anatomy, physiology and pathophysiology of the following systems:
 1. Cardiovascular
 2. Lymphatic and Immunity
 3. Respiratory
 4. Digestive
 5. Urinary
 6. Reproductive

- B. Explain the basic concept of cellular metabolism and be able to demonstrate basic chemical pathways involved with carbohydrate, lipid, and protein metabolism.

- C. Discuss the basic concepts in the regulation of fluids, electrolytes, and acid-base balance.

III. Evaluation

LECTURE

- A. Pre-assessment: Not Required
- B. Post-Assessment:
1. **Quizzes:** The number, frequency and type of quizzes are left to discretion of the instructor.
 2. **Exams:** The type and number of exams will be determined by the instructor and communicated to the students at the onset of the semester. It is highly recommended that a portion of each exam be devoted to written expression of relevant concepts. The remainder of the questions may be of any nature—multiple choice, fill-in-the-blank, true-false, labeling of drawings, etc. Take-home exams over major topics are NOT recommended.
- C. Grading Scale:
- | | |
|----------|-----|
| 90 –100 | = A |
| 80 –89 | = B |
| 70 –79 | = C |
| 60 –69 | = D |
| Below 60 | = F |

LABORATORY

- A. Pre-assessment: Not required
- B. Post-assessment:
1. **Quizzes/Exams:**
The number, frequency, and type of quizzes and exams is left to the discretion of the instructor.
 2. **Practical Exams:**
There will be at least two major practical exams during the semester.
 3. **Lab reports, journals, special projects:**
The instructor may opt to use additional assessment vehicles in determining the overall grade for the lab. These evaluation methods and their frequency will be left to the discretion of the instructor.
- C. Grading Scale
The particular weight given to the above evaluation methods is left up to the instructor, but the overall grade for lab will be determined using the following grading scale:
- | | |
|----------|-----|
| 90 –100 | = A |
| 80 –89 | = B |
| 70 –79 | = C |
| 60 –69 | = D |
| Below 60 | = F |

IV. Disability Statement (Americans with/Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need

services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024)

V. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.

VI. Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.