

**El Paso Community College**  
**Syllabus**  
**Part II**  
**Official Course Description**

<b>SUBJECT AREA</b>	<u><b>Biology</b></u>
<b>COURSE RUBRIC AND NUMBER</b>	<u><b>BIOL 2404</b></u>
<b>COURSE TITLE</b>	<u><b>Introduction to Anatomy and Physiology</b></u>
<b>COURSE CREDIT HOURS</b>	<u>4            3            ;            3</u> Credits        Lec                       Lab

**I. Catalog Description**

Provides introduction to the structure and function of the human body with emphasis on anatomy and physiological principles. The laboratory experience emphasizes detailed dissections of preserved materials which are compared to human models. Designed for Allied Health students who need a single semester of anatomy & physiology, this course will not count as credit toward the Associate of Science degree in Biology. BIOL 2401 and BIOL 2402 should not be substituted for BIOL 2404. **Prerequisite: BIOL 1306 and 1106 or by placement 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. Compare and contrast anatomy and physiology.
- B. Name the body’s organ systems and list the major functions of each.
- C. Demonstrate the anatomical position and use appropriate terminology to describe body directions, surfaces, and body planes.
- D. Describe the basic structural and functional characteristics of animal cells.
- E. Apply basic chemical concepts in a biological context.
- F. Describe the basic anatomical and physiological features of the following systems:
  - a. Integumentary
  - b. Skeletal
  - c. Muscular
  - d. Nervous
  - e. Endocrine
  - f. Circulatory
  - g. Lymphatic
  - h. Immune
  - i. Respiratory
  - j. Digestive
  - k. Urinary
  - l. Reproductive
- G. Discuss the basic concepts of the regulation of fluids, electrolytes, and acid-base balance.

**III. Evaluation****LECTURE**

A. Pre-assessment: None available

B. Post-Assessment:

Quizzes: The number, frequency, and types of quizzes will be announced by the instructor at the beginning of the course

Exams: The number, frequency, and types of exams will be announced by the instructor at the beginning of the course. It is recommended that instructors administer all exams in class with at least a portion of the exam requiring written expression by the students. (Objective/Essay Combination.)

A final, comprehensive exam is strongly recommended. Take-home exams are not recommended for this course.

C. Grading Scale:

The particular weight given to the above evaluation methods is left up to the instructor, but the overall grade for **lecture** will be determined using the following grading scale:

90 –100	= A
80 –89	= B
70 –79	= C
60 –69	= D
Below 60	= F

D. Lecture grade will count as 75% of the course grade

**LABORATORY**

A. Pre-assessment: None available

B. Post-assessment:

1. Quizzes/Exams:

The number, frequency, and types of quizzes and exams are 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, and 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 individual 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

D. Lecture grade will count as 25% of the course grade

**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.