El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	**Biology**
COURSE RUBRIC AND NUMBER	**BIOL 2401**
COURSE TITLE	**Anatomy and Physiology I**
COURSE CREDIT HOURS	**4 (Credits) 3 (Lec) : 3 (Lab)**

I. Catalog Description

Emphasizes the study of biological molecules, body organization, and correlated structure and function of the human integumentary, skeletal, muscular, nervous, and endocrine systems. Provides laboratory exercises that demonstrate and support lecture topics. "Although BIOL 2402 may be taken concurrently, it is strongly recommended that BIOL 2401 is completed before BIOL 2401 is completed before BIOL 2402." **Prerequisites: READ 0309 or INRW 0311 or ESOL 0340 (can be taken concurrently) or by placement exam and BIOL 1406 or by Biology placement exam or ENGL 1301 with a "C" or better or ENGL 1302 with a "C" or better. (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. Use correct anatomical terminology.
B. Explain the basic concept of homeostasis and demonstrate how this key concept is the most important unifying theme of the body systems.
C. Describe basic chemical and physical principles that are of particular importance in anatomy and physiology.
D. Explain the basic concept of metabolism and be able to demonstrate basic chemical pathways involved with carbohydrate, lipid, and protein metabolism.
E. Identify the anatomy (gross and microscopic) and explain the basic physiology, of the following:

1. Integumentary System
2. Skeletal System
3. Muscular System
4. Nervous System
5. Endocrine System

III. Evaluation

LECTURE

A. Pre-assessment: Departmental evaluation of Reading, Vocabulary, and Mathematical skills is available; but optional.

B. Post-Assessment:

1. **Quizzes:** The number, frequency and type of quizzes and exams are left to the discretion of the instructor.
2. **Exams:** The type and number of exams will be determined by the instructor 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.

3. Grading Scale:

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

LABORATORY

A. Pre-assessment:
At present there is not pre-assessment tool for the laboratory portion of Human Anatomy and Physiology (BIOL 2401).

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 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

IV. Disability Statement (American 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.