

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

<b>SUBJECT AREA</b>	<b>Biology</b>								
<b>COURSE RUBRIC AND NUMBER</b>	<b>BIOL 2402</b>								
<b>COURSE TITLE</b>	<b>Anatomy and Physiology II</b>								
<b>COURSE CREDIT HOURS</b>	<table border="0" style="margin: auto;"> <tr> <td style="padding: 0 10px;"><b>4</b></td> <td style="padding: 0 10px;"><b>3</b></td> <td style="padding: 0 10px;"><b>:</b></td> <td style="padding: 0 10px;"><b>3</b></td> </tr> <tr> <td style="padding: 0 10px;"><b>Credits</b></td> <td style="padding: 0 10px;"><b>Lec</b></td> <td></td> <td style="padding: 0 10px;"><b>Lab</b></td> </tr> </table>	<b>4</b>	<b>3</b>	<b>:</b>	<b>3</b>	<b>Credits</b>	<b>Lec</b>		<b>Lab</b>
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<b>Credits</b>	<b>Lec</b>		<b>Lab</b>						

**I. Catalog Description**

Emphasizes correlated structure and function of the human cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive, and immune 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 2402. **Prerequisite: READ 0309 or INRW 0311 or ESOL 0340 (can be taken concurrently) or by placement exam or ENGL 1301 with a “C” or better or ENGL 1302 with a “C” or better and BIOL 1306 and 1106 or by Biology 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. Describe the anatomy, physiology and pathophysiology of the following systems:
  - 1. Circulatory
  - 2. Lymphatic and Immunity
  - 3. Respiratory
  - 4. Digestive
  - 5. Urinary
  - 6. Reproductive
- B. Discuss and describe cell metabolism.
- C. Describe the genetic principles which govern the inheritance of human traits.
- D. Meet the physiology and pathology objectives in “EPCC Core Anatomy and Physiology Modules”
- E. Discuss the basic concepts in the regulation of fluids, electrolytes, and acid-base balance.

**III. Evaluation**

**LECTURE**

- A. Pre-assessment: None Available
- B. Post-Assessment:
  - 1. Quizzes: The type of quiz, number and frequency will be announced by the instructor at the beginning of the course.

2. Exams: The type, of exam, number, and frequency will be announced by the instructor at the beginning of the course. Since Anatomy and Physiology is a course that is critical for students studying medicine and allied health fields, 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). Take-home exams are not recommended for this course.

3.

4. Grading Scale:

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

- C. Grading will follow current EPCC standards.

### **LABORATORY**

- A. Pre-assessment:

At present there is not pre-assessment tool for the laboratory portion of Human Anatomy and Physiology (BIOL 2402).

- 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.