

ARIZONA WESTERN COLLEGE  
SYLLABUS

BIO 218 HUMAN PATHOPHYSIOLOGY

Credit Hours: 4 Lec 3 Lab 3

PREREQUISITE: BIO 201, BIO 202, and BIO 205

COURSE DESCRIPTION

Survey of disease processes that affect the body systems focusing on altered physiological mechanisms of cells and organ systems.

1. COURSE GOALS

In this course, students will:

- 1.1 Describe and explain how the major physiological mechanisms of the human body are altered by and contribute to disease processes.
- 1.2 Compare and contrast how pathology of diseases is encountered in the medical field.

2. OUTCOMES

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

- 2.1 utilize medical terminology as it applies to the pathophysiological basis for alterations in health.
- 2.2 discuss the mechanisms of normal anatomic structure, physiological function, and biochemical processes within the human body.
- 2.3 describe the processes that lead to cell injury and describe responses for healing, including inflammation and fever.
- 2.4 identify the differences between normal physiological functioning and pathophysiological processes in the following systems of the human body: cardiovascular, digestive, respiratory, endocrine, nervous, reproductive, lymphatic, urinary, integumentary, skeletal and muscular.
- 2.5 apply critical thinking to analyze presentation of signs and symptoms based on underlying pathophysiological processes.
- 2.6 explain the basis for actions that could be taken to avoid pathophysiological states or conditions that could be implemented to reduce the risks of reoccurrence.

3. METHODS OF INSTRUCTION

- 3.1 Lecture
- 3.2 Multi-media Presentations
- 3.3 Group Discussions
- 3.4 Films
- 3.5 Speakers with relevant expertise

4. LEARNING ACTIVITIES

- 4.1 Group Discussions
- 4.2 Oral Presentations
- 4.3 Classroom Demonstrations
- 4.4 Laboratory exercises
- 4.5 Case studies
- 4.6 Internet assignments

5. EVALUATION

- 5.1 Quizzes
- 5.2 Exams
- 5.3 Assignments
- 5.4 Participation
- 5.5 Lab practicals

6. STUDENT RESPONSIBILITIES

- 6.1 Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
- 6.2 If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. Students who are not attending as of the 45th day of the course may be withdrawn by the instructor. If the student does not withdraw from the course and fails to complete the requirements of the course, the student will receive a failing grade.
- 6.3 Americans with Disabilities Act Accommodations: Arizona Western College provides academic accommodations to students with disabilities through AccessABILITY Resource Services (ARS). ARS provides reasonable and appropriate accommodations to students who have documented disabilities. It is the responsibility of the student to make the ARS Coordinator aware of the need for accommodations in the classroom prior to the beginning of the semester. Students should follow up with their instructors once the semester begins. To make an appointment call the ARS front desk at (928) 344-7674 or ARS Coordinator at (928) 344-7629, in the College Community Center (3C) building, next to Advising.
- 6.4 Academic Integrity: Any student participating in acts of academic dishonesty—including, but not limited to, copying the work of other students, using unauthorized “crib notes”, plagiarism, stealing tests, or forging an instructor’s signature—will be subject to the procedures and consequences outlined in AWC’s Student Code of Conduct.
- 6.5 Texts and Notebooks: Students are required to obtain the class materials for the course.