

ARIZONA WESTERN COLLEGE
SYLLABUS

HLS 203 BIOTERRORISM AND WEAPONS OF MASS DESTRUCTION

Credit Hours: 3 Lec 3

PREREQUISITE: ENG 90 or approved higher English and HLS 101 and AJS 191

COURSE DESCRIPTION

Biological weapons that are employed against man, animals and plants. Major biological agents targeted for use as weapons against humans will be studied including: the various clinical forms induced by exposure to the agents, prophylaxis and treatment for the resulting diseases and the primary routes of dissemination of the agents studied. The class will cover the potential for biowarfare/bioterrorist acts, how destruction is produced, and what countries/groups have access to sufficient bio-agents or the capacity for producing large quantities of bio-agents for use as a weapon.

1. COURSE GOALS

- 1.1 Understand how a diversity of disciplines (*e.g.*, biology, economics, law, art, literature) are associated with bioterrorism and emerging infectious diseases in our society and around the world.
- 1.2 A greater appreciation for the contemporary nature of bioterrorism and emerging infectious diseases, and that although we've seen significant improvements in medicine, epidemiology, and social services, global societies will continue to face serious challenges in the future.
- 1.3 Basic understanding of the scientific process and the biological mechanisms associated with bioterrorism and emerging infectious diseases.

2. OUTCOMES

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

- 2.1 apply the basic principles of dealing with a bioterrorist event and demonstrate an understanding of the rules governing the dissemination, propagation and management of relevant diseases.
- 2.2 articulate and apply the basic principles governing the use of biological weapons; the most common clinical forms assumed by the diseases caused by these agents and the diagnosis, and prevention and treatment of these diseases.
- 2.3 articulate the most effective routes for dissemination of bio-weapons.
- 2.4 defend conclusions regarding the risk of biowarfare/terrorist acts.
- 2.5 state which countries/groups are poised to use or have access to such agents of mass destruction and the biological agents employed against plants and animals.
- 2.6 draw and defend conclusions regarding what can be expected in the way of casualties and socioeconomic disruption from use of these agents.
- 2.7 summarize how we can prepare for and respond to biowarfare/bioterrorism.
- 2.8 students will be able to express their content competence in written form, using appropriate terms and reasoning.

3. METHOD OF INSTRUCTION

- 3.1 Lecture
- 3.2 Instructional technology
- 3.3 Group discussion
- 3.4 Individual research

4. LEARNING ACTIVITIES

- 4.1 Group discussion
 - 4.2 Participation
 - 4.3 Writing activities
5. EVALUATION
- 5.1 Essays
 - 5.2 Participation
 - 5.3 Presentation
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.
 - 6.6 Arizona Western College students are expected to attend every class session in which they are enrolled. To comply with Federal Financial Aid regulations (34 CFR 668.21), Arizona Western College (AWC) has established an Attendance Verification process for “No Show” reporting during the first 10 days of each semester. Students who have enrolled but have never attended class may be issued a “No Show” (NS) grade by the professor or instructor and receive a final grade of “NS” on their official academic record. An NS grade may result in a student losing their federal financial aid.
For online classes, *student attendance in an online class is defined as the following* (FSA Handbook, 2012, 5-90):
 - Submitting an academic assignment
 - Taking an exam, an interactive tutorial or computer-assisted instruction
 - Attending a study group that is assigned by the school
 - Participating in an online discussion about academic matters
 - Initiating contact with a faculty member to ask a question about the academic subject studied in the course