

ARIZONA WESTERN COLLEGE
SYLLABUS

GPH 171 INTRODUCTION TO METEOROLOGY

Credit Hours: 4 Lec 3 Lab 3

PREREQUISITE: None

COURSE DESCRIPTION

Online Weather Studies covers the composition and structure of the atmosphere, the flows of energy to, from, and through the atmosphere, and the resulting weather phenomena ranging in scale from local to regional to global. The physical principles of atmospheric phenomena are stressed in the understanding of weather's impact on humans, particularly with regard to severe weather. Methods of analysis are developed through the study of current weather as meteorological data are delivered via the Internet.

1. COURSE GOALS

- 1.1 Evaluate and critique atmospheric processes that actively shape the Earth's surface.
- 1.2 Increase awareness of local and global relevancy of atmospheric principles and their impact on human society.

2. OUTCOMES

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

- 2.1 understand fundamental meteorologic principles.
- 2.2 recognize the impact of meteorology on human society.
- 2.3 convert between and among metric units.
- 2.4 develop scientific hypothesis regarding meteorologic processes and design simple tests to test the hypothesis.

3. METHODS OF INSTRUCTION

- 3.1 On-line tutorials
- 3.2 Demonstrations
- 3.3 Laboratory exercises
- 3.4 Audio-visual
- 3.5 Group activities
- 3.6 Web-based homework assignments

4. LEARNING ACTIVITIES

- 4.1 Complete assigned readings and make regular visits to the on-line web site
- 4.2 Do hands-on analysis in lab activities
- 4.3 Participate in examinations and quizzes
- 4.4 Prepare an out of class research report (500 word minimum)
- 4.5 Produce lab, field, and research reports (minimum of 500 words collectively)

5. EVALUATION

- 5.1 Examinations and quizzes
- 5.2 Laboratory exercises and reports that collectively will comprise a minimum of 500 words

- 5.3 Research report, 500 word minimum, to be completed outside of class
- 5.4 Field reports
- 5.5 Web-based assignments

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 Students who are not attending as of the 45th day of the course will be withdrawn by the instructor.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