ARIZONA WESTERN COLLEGE
SYLLABUS

AVN 230 AVIATION SAFETY & RISK MANAGEMENT

Credit Hours: 3 Lecture: 3

PREREQUISITE: None

Course Description
Examines aviation safety principles, hazard identification, accident prevention, safety culture, risk assessment, and operational decision-making. Students analyze aviation hazards and events and apply structured risk-management tools to general aviation, airline, airport, and unmanned aircraft scenarios.

1. COURSE GOALS
   - 1.1 Develop a systems-based understanding of aviation safety and accident prevention.
   - 1.2 Identify hazards and assess operational risk using structured methods.
   - 1.3 Apply safety-management and risk-mitigation concepts to aviation scenarios.

2. OUTCOMES

Upon successful completion, students will be able to:

2.1. Differentiate hazards, risks, errors, incidents, and accidents.

2.2. Explain the relationship between safety culture, human factors, procedures, and organizational performance.

2.3. Identify hazards in representative aviation operations.

2.4. Apply risk-assessment tools to evaluate likelihood and severity.

2.5. Develop practical risk controls and mitigation strategies.

2.6. Explain the purpose and basic components of Safety Management Systems.

2.7. Analyze aviation events to identify contributing factors.

2.8. Apply PAVE, personal minimums, and other risk-management concepts to operational decisions.

2.9. Communicate safety concerns and corrective actions clearly and professionally.

3. METHODS OF INSTRUCTION
   - 3.1 Lecture
   - 3.2 Multi-media Presentations
   - 3.3 Group Discussions

4. LEARNING ACTIVITIES

4.1 Aviation Safety Case Studies
4.2 Hazard Identification and Risk Assessment Exercises
4.3 Scenario-Based Risk Mitigation Assignments

5. EVALUATIONS
   5.1 Quizzes/Exams
   5.2 Assignments
   5.3 Participation

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 Students who are not attending as of the 45th day of the course may be withdrawn by the instructor.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