ARIZONA WESTERN COLLEGE
SYLLABUS

AVN 260 CREW RESOURCE MANAGEMENT & AERONAUTICAL DECISION MAKING

Credit Hours: 3 Lecture: 3

PREREQUISITE: None

Course Description
Examines Crew Resource Management, Single-Pilot Resource Management, aeronautical decision-making, communication, leadership, teamwork, workload management, situational awareness, automation management, and threat-and-error concepts. Students apply human-factors principles to scenario-based aviation decisions.

1. COURSE GOALS
   1.1 Develop effective aeronautical decision-making and resource-management skills.
   1.2 Analyze communication, leadership, teamwork, workload, and situational-awareness factors in aviation.
   1.3 Apply CRM and SRM principles to realistic aviation scenarios.

2. OUTCOMES
   Upon successful completion, students will be able to:
   2.1. Explain the purpose and evolution of CRM and SRM.
   2.2. Apply structured aeronautical decision-making models to operational scenarios.
   2.3. Identify hazardous attitudes, cognitive biases, and common decision traps.
   2.4. Demonstrate effective communication, briefing, leadership, followership, and teamwork concepts.
   2.5. Explain workload, task-management, and situational-awareness principles.
   2.6. Apply threat-and-error and risk-management concepts.
   2.7. Evaluate appropriate use and monitoring of automation.
   2.8. Analyze scenarios involving communication breakdowns, time pressure, changing conditions, and competing priorities.
   2.9. Develop and defend a risk-based course of action using available resources.
3. METHODS OF INSTRUCTION
   3.1 Lecture
   3.2 Multi-media Presentations
   3.3 Group Discussions

4. LEARNING ACTIVITIES

4.1 CRM and ADM Case Studies
4.2 Crew Communication and Resource Management Exercises
4.3 Scenario-Based Aeronautical Decision-Making 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 Students who are not attending as of the 45th day of the course may be withdrawn by the instructor.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