

ARIZONA WESTERN COLLEGE
SYLLABUS

AIM-101 Introduction to Artificial Learning

Credit Hours: 3 Lec 3 Lab 1

PREREQUISITE: None

COURSE DESCRIPTION

This course introduces fundamental principles, techniques and applications of Artificial Intelligence (AI). Students will explore theoretical foundations of AI and gain practical experience working with different AI systems. They will develop skills necessary to create AI applications for solving problems and improving real-world processes, such as intelligent agent design.

1. COURSE GOAL

Equip students with solid foundation in the field of applied artificial intelligence (AI) while emphasizing a no-code approach.

2. OUTCOMES

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

- 2.1 Identify the fundamental concepts of AI, including its history, principles and real-world applications
- 2.2 Analyze the ethical challenges of AI, including bias mitigation and fairness in AI algorithms
- 2.3 Describe AI realistically can--and cannot--do
- 2.4 Demonstrate how to spot opportunities to apply AI to problems in your own organization
- 2.5 Demonstrate how to work with an AI team and build an AI strategy in your company

3. METHODS OF INSTRUCTION

- 3.1 Lecture
- 3.2 Coding demonstrations
- 3.3 Problem-solving sessions

4. LEARNING ACTIVITIES

- 4.1 Lab programming exercises
- 4.2 Algorithm design assignments
- 4.3 Group coding challenges

5. EVALUATION

- 5.1 Quizzes/Exams
- 5.2 Lab assignments
- 5.3 Final project

6. STUDENT RESPONSIBILITIES

- 6.1 Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
- 6.2 Classroom Assignments: Students are responsible for work missed and for completing all work before the next class meeting. Students are responsible for participating in all oral drills and for taking all exams.
- 6.3 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 Students who are not attending as of the 45th day of the course may be withdrawn by the instructor.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.
- 6.4 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.
- 6.5 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.
- 6.6 Textbooks and materials: Students are required to bring notebook or looseleaf book, pens, pencils, dictionaries, and purchase textbook required for class.
- 6.7 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