AI 101 - Introduction to Artificial Intelligence

General Information

Credits: 4

Day/Time: MW 10:00-11:50 am

Instructor: Dr. Jane Smith (jane.smith@aiuniversity.edu)

Course Overview

This course introduces the foundational concepts of Artificial Intelligence (AI), including machine learning, neural networks, and natural language processing. Students will work on projects involving the application of AI to real-world problems.

Course-Specific Learning Outcomes

1. Explain the basic principles of AI and its history.

2. Implement simple AI algorithms using Python.

3. Analyze the ethical implications of AI technologies.

4. Design a basic neural network for image classification.

ABET Program Outcomes

Supports the ability to apply knowledge of computing and mathematics appropriate to the discipline.

WIC Program Outcomes

1. Develop AI-related technical writing skills.

2. Demonstrate understanding of audience expectations in AI.

3. Compose a research paper on an AI topic.

Policy on Students with Disabilities

Accommodations will be made in collaboration with Disability Access Services (DAS).

Policy on Academic Dishonesty and Conduct

Any instances of academic dishonesty will be handled according to university policy.

Course Assignments and Deadlines

Assignment 1: AI History Report - Due 10th Oct

Assignment 2: Neural Network Implementation - Due 24th Oct

Final Project: AI Application - Due 9th Dec

General Writing Requirements

All assignments should be completed in LaTeX.

Final Term Schedule

Week 1: Introduction to AI

Week 2: History and Ethics of AI

Week 3: Introduction to Machine Learning

Week 10: Final Presentations