Course Syllabus

Course Title: Introduction to Artificial Intelligence

Course Code: AI101

Semester: Fall 2024

Department: Computer Science

Instructor: Dr. John Doe

Contact Email: johndoe@example.com

Office Hours: Monday and Wednesday, 2:00 PM - 4:00 PM, Room CS101

Course Description

This course introduces the foundational concepts of Artificial Intelligence (AI), covering its history, applications, and ethical considerations. Students will explore key techniques such as machine learning, natural language processing, and computer vision.

Course Objectives

By the end of this course, students will be able to:

1. Understand the history and evolution of AI.
2. Implement basic machine learning algorithms.
3. Analyze the applications of AI in various domains.
4. Evaluate the ethical implications of AI technologies.

Course Structure

The course is divided into the following modules:

Module 1: Introduction to AI

- History and Evolution
- Key Concepts and Terminology
- Applications of AI

Module 2: Machine Learning Basics

- Supervised Learning
- Unsupervised Learning
- Evaluation Metrics

Module 3: Advanced AI Topics

- Natural Language Processing
- Computer Vision
- Ethical Considerations in AI

Course Schedule

Week	Topics Covered	Assignments/Activities
1	History and Applications of AI	Research on AI milestones
2	Key Concepts and Terminology	Quiz on basic AI concepts
3	Supervised Learning	Implement a regression model
...	...	...

Required Texts and Materials

- Textbook: Artificial Intelligence: A Modern Approach by Stuart Russell and Peter Norvig
- Python programming environment
- Access to online datasets

Assessment and Grading

Component	Weight (%)
Class Participation	10%
Assignments	30%
Midterm Exam	30%
Final Project	30%
Total	100%

Course Policies

- Attendance: Students are required to attend at least 75% of classes.
- Late Submissions: Assignments submitted late will incur a penalty of 10% per day.
- Academic Integrity: Plagiarism or cheating will result in a grade of zero for the assignment/exam.

Additional Resources

- Online AI Learning Platforms (e.g., Coursera, edX)
- Access to departmental computing resources

Important Dates

- First Day of Class: September 2, 2024
- Midterm Exam: October 15, 2024
- Final Project Submission: December 10, 2024
- Last Day of Class: December 12, 2024

Note: This syllabus is subject to change. Any modifications will be communicated in class and via email.