AI and Introduction to Machine Learning - CS215

Section: CS215 001261S Main Campus
Credit Hours: 3.00
Course Description: Introduction to the fundamental concepts and techniques of Artificial Intelligence (AI) and machine learning. Students will learn how to manipulate and analyze data using Python and libraries such as NumPy, and will explore core supervised learning methods including linear and logistic regression. Emphasis is placed on understanding model construction, training, evaluation, and interpretation. Topics include features and labels, cost functions, gradient descent optimization, model regularization, and performance evaluation. Students will gain hands-on experience implementing and evaluating AI models, with attention to practical applications, limitations, and ethical considerations.
WHEN Start Date: 08/19/2026 End Date: 12/11/2026
Days:
MWF
1:50 PM - 2:50 PM
Campus: Main Campus
Building: Shears Technology Center
Room: STC130

INSTRUCTOR
NABIL ABDULLAH
BOOKS
Title: HANDS-ON MACHINE LEARNING WITH SCIKIT-LE
Author: GERON
Required: Yes