



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Machine Learning
Course Number: AIN211

Required Materials

Textbook(s): None
Required Readings: None
Additional Materials: None

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Topic: Introduction to Machine Learning <ul style="list-style-type: none"> Week 1 Assignment, Week 1 Quiz
Week 2	Topic: Tools to Implement AI Part 1 <ul style="list-style-type: none"> Week 2 Assignment, Week 2 Quiz
Week 3	Topic: Tools to Implement AI Part 1 <ul style="list-style-type: none"> Week 3 Assignment, Week 3 Quiz
Week 4	Topic: No-Code Tools for Data Exploration <ul style="list-style-type: none"> Week 4 Assignment, Week 4 Quiz
Week 5	Topic: Supervised Learning Part 1 <ul style="list-style-type: none"> Week 5 Assignment, Week 5 Quiz
Week 6	Topic: Supervised Learning Part 2 <ul style="list-style-type: none"> Week 6 Assignment, Week 6 Quiz
Week 7	Topic: Unsupervised Learning Part 1 <ul style="list-style-type: none"> Week 7 Assignment, Week 7 Quiz
Week 8	Topic: Unsupervised Learning Part 2 <ul style="list-style-type: none"> Week 8 Assignment, Week 8 Quiz
Week 9	Topic: Reinforcement Learning <ul style="list-style-type: none"> Midterm, Reinforcement Learning Discussion Forum
Week 10	Topic: Neural Networks <ul style="list-style-type: none"> Week 10 Assignment, Week 10 Quiz

Week	Chapter/Topic/Lab
Week 11	Topic: Deep Learning 1 <ul style="list-style-type: none"> • Week 11 Assignment, Week 11 Quiz
Week 12	Topic: Deep Learning 2 <ul style="list-style-type: none"> • Week 12 Assignment, Week 12 Quiz
Week 13	Topic: ML Project – Supervised Learning <ul style="list-style-type: none"> • Week 12 Assignment, Week 13 Quiz
Week 14	Topic: ML Project – Unsupervised Learning <ul style="list-style-type: none"> • Week 13 Assignment, Week 14 Quiz
Week 15	Topic: Deep Learning Project <ul style="list-style-type: none"> • Week 15 Assignment, Week 15 Quiz
Week 16	Final Exam