



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Introduction to Artificial Intelligence
Course Number: AIN121

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: Demystifying AI & the Evolution of AI <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 1 Quiz, AI Experiences Discussion Forum
Week 2	Topic: AI & Technology <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 2 Quiz, Week 2 Assignment
Week 3	Topic: Industry 4.0 - Digitization <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 3 Quiz, AI in Industry Discussion Forum
Week 4	Topic: Domains of AI <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 4 Quiz, Week 4 Assignment
Week 5	Topic: AI Project Cycle - Part I <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 5 Quiz, Week 5 Assignment
Week 6	Topic: AI Project Cycle - Part II <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 6 Quiz, Week 6 Assignment
Week 7	Topic: Societal Impact of AI

Week	Chapter/Topic/Lab
	<ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 7 Quiz, Week 7 Assignment
Week 8	<p>Topic: Elements of Machine Language</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 8 Quiz, Week 8 Assignment
Week 9	<p>Topic: Midterm / Elements of Deep Learning</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Midterm, Week 9 Quiz
Week 10	<p>Topic: Data – Fuel for AI</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 10 Quiz, Week 10 Assignment
Week 11	<p>Topic: AI Data Science Teams</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 11 Quiz, Week 11 Assignment
Week 12	<p>Topic: Tools to Implement AI</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 12 Quiz, Week 12 Assignment
Week 13	<p>Topic: AI Project I – Statistical Data</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 13 Quiz, Week 13 Assignment
Week 14	<p>Topic: AI Project II – Natural Language Processing</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 14 Quiz, Large Language Models Discussion Forum, OPTIONAL Extra Credit Chatbot demo
Week 15	<p>Topic: AI Project III – Computer Vision</p> <ul style="list-style-type: none"> • Reading Assignments: Items in Materials folder • Assigned: Week 15 Quiz, Week 15 Assignment, Study for Final Exam
Week 16	<p>Topic: Final Exam</p> <ul style="list-style-type: none"> • Final Exam