

AI Literacy II

Course Overview

Series Overview

Artificial intelligence is no longer just something students observe. It's something they actively use, evaluate, and shape. Building on the foundation of AI Literacy I, the AI Literacy II course takes students deeper into real-world applications, decision-making, and design. In this next phase of the series, students move beyond understanding how AI works to examining how it is used - and misused - in everyday tools and systems. They analyze trade-offs, question outcomes, and explore how human choices influence AI behavior. From language tools and recommender systems to automation and solution design, students develop the judgment needed to interact with AI responsibly and effectively. AI Literacy II challenges students to think critically, act ethically, and design with intention in an AI-driven world.

AI Literacy II Course Description

In this semester-long course, students explore advanced concepts in artificial intelligence with a focus on real-world application, evaluation, and design. Students investigate how AI systems generate, filter, and personalize information, and how these systems influence what people see, believe, and decide. Through hands-on activities and case-based scenarios, students examine the strengths and limits of AI language tools, learn how to improve outputs through better prompting, and evaluate when AI should, and should not, be used. As the course progresses, students explore recommender systems and personalization, analyzing how goals, data signals, and feedback loops shape user experiences and create both opportunities and risks. They then apply AI as a study and work partner, developing strategies for research, revision, accessibility, and responsible use while avoiding over-reliance. In the final units, students take on the role of AI designers. They define problems, identify stakeholders, prototype solutions, and evaluate risks and safeguards. Students also explore the future of work, examining emerging careers, ethical questions around ownership and creativity, and pathways for continued learning in an AI-powered economy. By the end of the course, students will be equipped to evaluate AI systems, use tools responsibly, and design thoughtful solutions that reflect both technical understanding and human values.

Course Goals

- Analyze the strengths and limitations of AI tools and evaluate when to use them appropriately.
- Create and refine prompts to improve AI-generated outputs and solve problems effectively.
- Evaluate how recommender systems and personalization influence content, decisions, and user experience.
- Apply AI tools to support research, writing, and workflows while maintaining academic integrity and avoiding over-reliance.
- Design AI-based solutions by defining problems, prototyping ideas, and evaluating risks and trade-offs.
- Assess ethical considerations, including fairness, transparency, and ownership in AI systems.
- Explore career pathways and develop a personal plan for building AI-related skills.



Curriculum Map

Unit 1: Working with AI Language Tools
What AI Language Tools Do Well (and Don't)
Using Prompt Patterns to Sort Text
Sentiment and Toxicity Filters
Verify Before You Trust AI
Prompting for Better Results
Human vs. AI Writing
Documenting AI-Assisted Work
Unit 2: Recommenders & Personalization
How Recommender Systems Work
Goals and Signals in Recommendations
Filter Bubbles and Fairness
Balancing Feed Priorities
Explaining Recommendations Clearly
User Controls and Preferences
Personalization: Benefits and Risks
Unit 3: AI as Study & Work Partner
Using AI for Outlining and Research
Revising Writing with AI Prompts
Translation and Accessibility
Avoiding Over-Reliance on AI
Academic Integrity and AI
No-Code Automation Basics
Building an AI Toolkit
Unit 4: Designing AI Solutions
Defining Problems and Success
Stakeholders and Requirements
Prototyping AI Ideas
Testing and Feedback
Mapping AI Systems
Managing Risks and Guardrails
Communicating Value and Limits
Unit 5: Futures & Careers with AI
AI Careers and Skills
Credentials and Training Paths
AI in the Workplace
AI and Creative Work
Personal Learning Plan
Civic Engagement and AI Policy
The Future of Work with AI