



AI Empowered Design Thinking

Course Syllabus

Course Description

Welcome to a groundbreaking journey that blends the imaginative power of design thinking with the ever-evolving world of AI! This fully online course invites teachers to dive deep into the “how” and “why” of problem-solving in today’s classrooms. You’ll embark on an adventure across eight dynamic modules, each one packed with hands-on activities, creative challenges, and the latest AI tools to bring fresh perspectives into the learning experience.

In this course, you’ll learn how to cultivate empathy, ignite curiosity, and channel your inner innovator. Ever wondered how to create classroom solutions that are as unique as your learners? Or how to bring AI into the mix to make personalized, meaningful changes? From understanding your learners’ needs to prototyping solutions that tackle real-world problems, you’ll explore how to make design thinking a sustainable practice in your classroom. Get ready to brainstorm, prototype, and iterate your way to new possibilities—with AI as your trusty sidekick!

Join us and discover:

- How AI can help deepen empathy and create solutions tailored for each learner.
- Techniques for rethinking classroom challenges through creative intelligence.
- Practical activities to bring your design vision to life, even on a budget.
- A toolkit of design and AI strategies that empower you and your learners to thrive in a future-ready classroom.

Step into the world of design thinking, supercharged by AI, and unlock a future where every classroom is a hub of innovation and possibility!

This course enhances classroom teaching effectiveness and supports improved student outcomes by introducing new knowledge in design thinking integrated with AI tools to support empathy, creativity, and learner-centered problem-solving in educational settings through purposeful, co-designed solutions.

Course Objectives

At the end of this course you should be able to:

1. Understand and envision how combining design thinking with AI can cultivate learner skills in innovation, adaptability, and problem-solving, preparing them for a rapidly evolving future.
2. Integrate and support empathy -building into the design thinking process using AI tools.
3. Conduct focused research to deepen their understanding of learner personas.
4. Identify and define problems to solve using AI tools.



5. Create and refine innovative, user-centered solutions by leveraging AI tools to enhance ideation and iterative prototyping.
6. Learn to evaluate the effectiveness of their solutions, reflect on their design process, and apply continuous improvements to create impactful, user-centered outcomes.
7. Develop the skills and strategies needed to transform prototypes into fully realized solutions that effectively address identified needs and leverage resources for successful implementation.
8. Apply design sprints and AI to create innovative, human-centered solutions while building frameworks for continuous improvement in education.

Modules

- Module 1: The New Design Classroom: Where AI Meets Design Thinking, Quiz 1
- Module 2: Next-Gen Empathy: Harnessing AI for User-Centered Design, Quiz 2
- Module 3: Discover: Research for Deeper Understanding with AI as Your Collaborative Partner, Quiz 3
- Module 4: AI-Enhanced Problem Framing (Define), Quiz 4
- Module 5: Ideate and Prototype with AI Tools (Ideate, Prototype), Quiz 5
- Module 6: Beyond Testing: Evaluating and Reflecting for Impact, Quiz 6
- Module 7: Produce Your Most Viable Solution with AI, Quiz 7
- Module 8: Bringing It All Together—Design Sprints and AI for Transformative Education, Quiz 8

Grading

Each quiz must be passed at an 80% or higher (three attempts allowed).

Format

This is a self-paced, asynchronous (no required live meetings) course. Throughout the PD course, you will find it helpful to take notes along the way to assist with the quizzes. Within each module, you will find reflection assessments that are not graded but will help in your journey through the course.