LUMEN LEARNING

Advanced Generative AI for Teaching and Learning

Exploring teaching with AI tools and techniques to increase student learning, engagement, and success

Want to take your use of Generative AI to the next level? Lumen's Advanced Generative AI for Teaching and Learning fellowship explores the transformative power of using AI from a wide range of perspectives - from prompt engineering, to creating with images, audio, and video, to creating custom chatbots for your course.

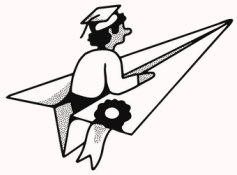
Throughout the fellowship, you will learn how AI tools can help you make learning more engaging, how you can save time on administrative and other tasks, and help students prepare for their future AI use in the workplace.

Expected Outcomes of the Advanced Generative AI for Teaching and Learning Fellowship

- Practice using a variety of Generative AI tools to create or remix text, audio, images, and video.
- Create a custom LLM-powered chatbot for your course.
- Learn how to run Large Language Models on your desktop or laptop computer, ensuring your data stays private.
- Experience how AI tools can personalize learning, enhance engagement, and give students valuable feedback.
- Plan to seamlessly integrate generative AI into your existing curriculum to create effective learning experiences.
- Engage in peer feedback and reflection sessions to improve your teaching practice and track your progress.
- Increase students' sense of belonging with activities that include prompts that promote representation and minoritized groups' points of view.
- Save time by using Generative AI tools, allowing you to spend more time engaging directly with your students

Learn more about Lumen Circles
lumenlearning.com/what/circles

Weekly descriptions for Advanced AI Course:



Orientation

Complete your profile, familiarize yourself with the platform, your Circle mates, and the Circle focus. Meet with your facilitator and get ready to start your Circle.

Week 1: Overview

Learn about the Lumen Reflective Practice model including using Appreciative Inquiry (a strength-based approach), CoP, and meet each other. Define Large Language Models (LLM's) and create accounts in a few AI tools,. Write your first reflection and comment on your 2 assigned reflections and with the 2 fellows reviewing your reflection.

Week 2: Prompt Engineering

Explore the different prompting models and practice using prompt examples with different AI tools to compare results. Then, experiment with planning a learning activity and report the inputs used and outputs generated. Report your findings and learnings in a reflection. Comment on your 2 assigned reflections and with the 2 fellows reviewing your reflection.

Week 3: Chat with a Knowledge Base

Practice using Notebook LM and/or create a custom Chat GPT for your course to increase student engagement and learning. Create a plan in your reflection for using what you learned to enhance learning activities in your course. Comment on your 2 assigned reflections and interact with the 2 fellows reviewing your reflection.

Week 4: Discussion

Join the Circle-wide discussion on topics related to generative AI in education that interest you and then talk with others about the topics that arise. Ask questions! Share resources! Add tools you use! Support, learn from, and interact with all of your Circle mates this week.

Week 5: Creating Images and Audio

Experiment with creating images, spoken audio and voice cloning, and create music using various generative AI tools. Then, reflect on how you might or will use these tools to enhance student learning in your course. Comment on your 2 assigned reflections and with the 2 fellows reviewing your reflection.

Week 6: Creating Videos

Discover how to use AI tools to create imaginative as well as "talking heads" videos. Learn how to livescreen video of your computer screen. Reflect on how you might or will incorporate what you learned into appropriate learning activities in your course, then comment on your 2 assigned reflections and interact with the 2 fellows reviewing your reflection.

Week 7: Running LLMs Locally

Worried about student privacy and how LLM's use your input as data? Learn about running a private generative AI program on your computer with LM Studio to keep all input and output private. Then, reflect on what you learned and how you might or will use LM Studio in your course. Comment on your 2 assigned reflections and with the 2 fellows reviewing your reflection.

Week 8: Discussion

Join the Circle-wide discussion on topics related to generative AI in education that interest you and then talk with others about the topics that arise. Ask questions! Share resources! Add tools you use! Support, learn from, and interact with all of your Circle mates this week. Let this be a fun, dynamic interlude driven entirely by what you find meaningful.

Week 9: Meta-Reflection

Reflect on your fellowship experience. What did you learn? What changes have you made in your teaching? What do you want to learn and do next? Write a reflection noting changes and growth in your teaching, new ideas and concepts you learned, and where you want to go next. Respond to your reviewers, and review your 2 assigned reflections. Celebrate finishing your fellowship!

Request More Information
lumenlearning.com/what/circles-interest