# Beyond the Prompt: Teaching with Generative Al

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## Your Turn:

What is **one word** that captures how you feel about generative Al's impact on teaching?

Enter your word in the chat.



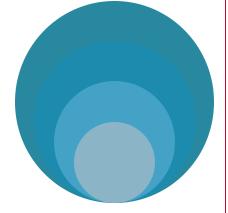
## **Bottom Line**Up Front

- Generative AI (GenAI) is becoming increasingly integrated and ubiquitous
- Like any technology, GenAl has affordances and limitations
- GenAl does not function well independent of human critical and creative thinking
- GenAl integration should be tailored to specific disciplines and contexts, not one-size-fits-all approaches

#### Terms to know



**Artificial intelligence**: theory and development of technology that enables computers to perform tasks that normally require human intelligence, like pattern recognition, speech recognition, and problem solving





**Machine learning**: a subset of AI that focuses on the development of algorithms and statistical models that enable computers to learn patterns and make decisions based on data, without explicit programming

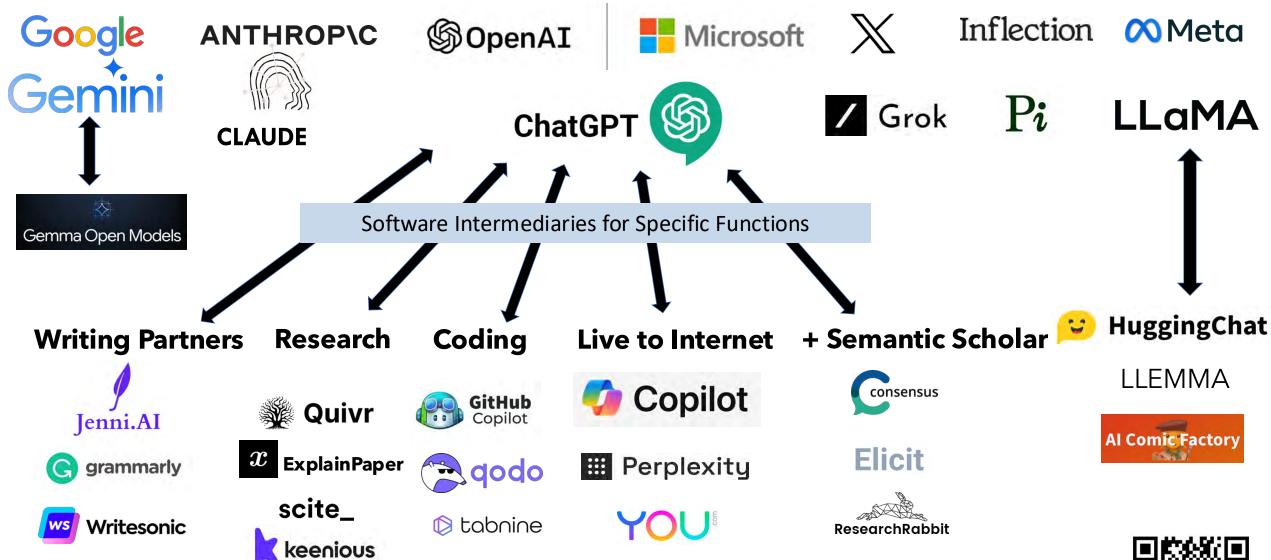


**Generative artificial intelligence**: a subset of AI that uses machine learning models to create new, original content based on patterns learned from existing data



Large language model: a type of generative AI system that can produce natural language text based on a given input

#### Foundational Large Language Models





https://sr.ithaka.org/our-work/generative-ai-product-tracker/



**Jasper** 

#### **Employer Expectation of Al Proficiency Among Graduates**

Question: When hiring recent graduates or early-career professionals, do you expect them to know how to use Al tools?

Yes - Al proficiency is a basic expectation	Yes - but only in specific roles	No - Al skill is currently not required in my organisation
	No - We teach them	Not sure yet
51%	7%	7%

Yes - Al proficiency is a basic expectation

53%

of employers are concerned about graduates' ability to critically engage with Al.

43%

of employers say higher education institutions are not adequately preparing students.

51%



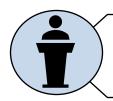


## **Incorporating Al Literacy**

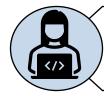
Goal #1: How do we find space to advance Al skills in an already packed curriculum?

Goal #2: Can we promote critical and creative thinking in connection with AI use?

#### Student use of GenAl



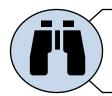
Practice or feedback on learning



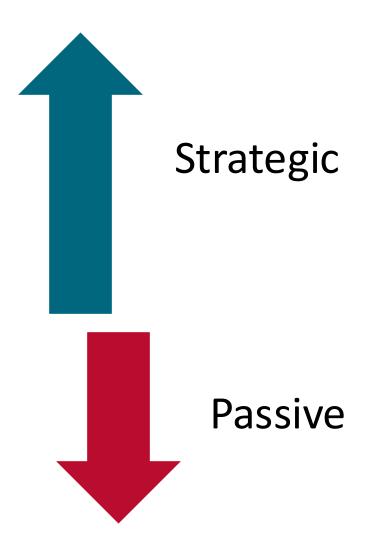
Writing support / Coding assistant



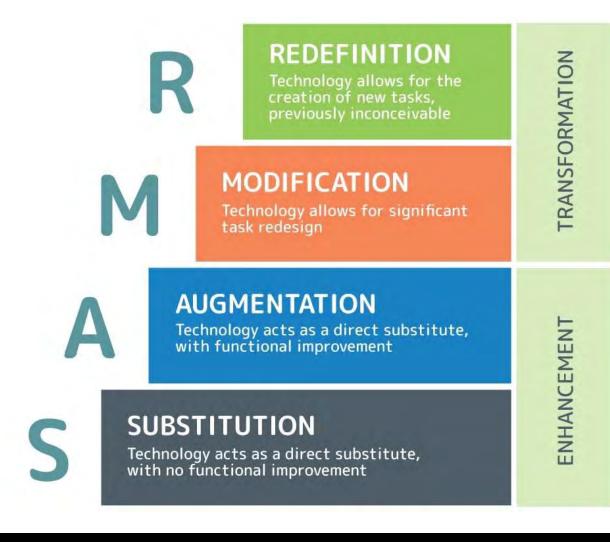
Generate ideas



Search for information, Generate summaries



### Intentional Pedagogical Design



#### Transparency in Design, always:

Syllabi and assignment briefs include "Al Use Guidelines" to help students navigate appropriate / responsible use. Clarify the purpose and relevance of learning goals.



#### Al Resilient Assessments

Authentic Tasks (problem-solving, decision-making)
Scaffold Learning (iteration, feedback, revision)
Make Thinking Visible (document thinking and process)
Encourage Metacognition (reflection, monitor and improve learning)

#### Include GenAl as a Step, not a Shortcut:

- Critique GenAl output
- GenAl-Augmented peer review
- Low-Stakes concept check
- Debate opponent or role-playing
- GenAl scaffolded drafting

## **Role-playing GPTs**



Drew Benson, PhD Associate Professor of Poultry Science University of Georgia

What are the

environmental

impacts of poultr.

Message Poultry Perspectives



ChatGPT can make mistakes. Check important info.



ChatGPT can make mistakes. Check important info

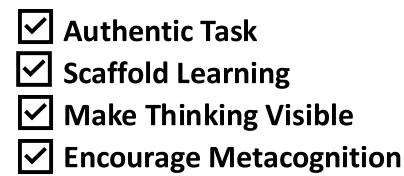




ChatGPT can make mistakes. Check important info.

Message Poultry Industry Expert

## GenAl as a Drafting Assistant





Bree Bang-Jensen, PhD Assistant Professor of International Affairs and Public Health University of Georgia

#### **Assignment Brief:**

In this collaborative exercise, you will form a small group and develop a short treaty addressing a specific international issue. The goal is to put yourself in the role of treaty negotiators, working through the trade -offs that shape real agreements.

I recommend that you use Generative AI tools to generate treaty language. Text re-use is common in international treaty drafting and UN resolutions (see Arias 2023), as well as in congressional legislation (Wilkerson et al 2015), and the use of generative AI to draft documents is increasingly common in the law and compliance field (Couture 2025) ... I recommend providing the model with detailed instructions about what it should "learn" from each sample treaty both in substance and design. Your final product should still reflect your group's judgments. AI outputs should be edited for accuracy and consistency. Please provide a pdf and screenshots of your initial AI prompt and subsequent feedback.

## Your Turn:

Breakout rooms, 3-4 ppl each.

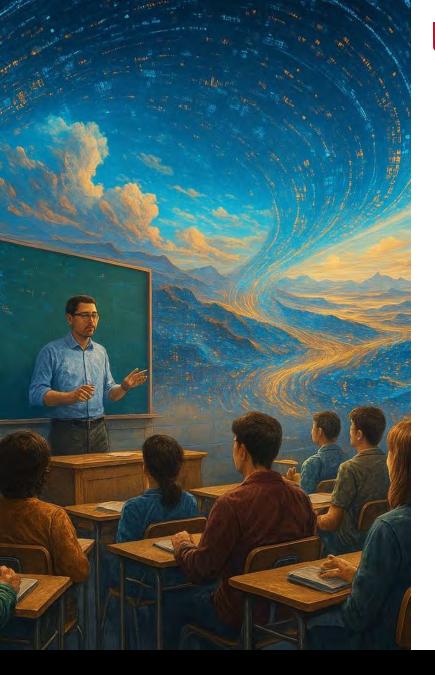
#### **Prompt:**

Think of one course you teach (or, one course topic).

What is one way you might invite students to engage with genAl, without letting it do the learning for them?







## Guiding Principles for Teaching with GenAl

**Be Transparent**: Model responsible GenAl use with students.

**Be Critical**: Remind students to check and question GenAl outputs.

**Be Strategic**: Help students to use GenAl to advance learning, not replace thinking.

Consider what *responsible adoption* means in your own teaching context.



#### **Additional Resources**

**Generative Al for Instructors** (UGA CTL)

**Guide on Generative Al** (UGA Libraries)

Introduction to Al for Teachers & Students (Ethan & Lillach Mollick)

**Generative Al Product Tracker** (Ithaka S+R)

Al Pedagogy Project (Harvard)

**2025 Student Guide to Artificial Intelligence** (Elon / AAC&U)



## **Questions?**

