

ChatGPT-Resistant and ChatGPT-Augmented Assignments and Assessments



Facilitated by FCE/TRC/IDAT :

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Agenda

- ChatGPT as a learning Tool
- ChatGPT-Resistant Assignments
- ChatGPT-Augmented Assignments
- A Step-by-Step Guide

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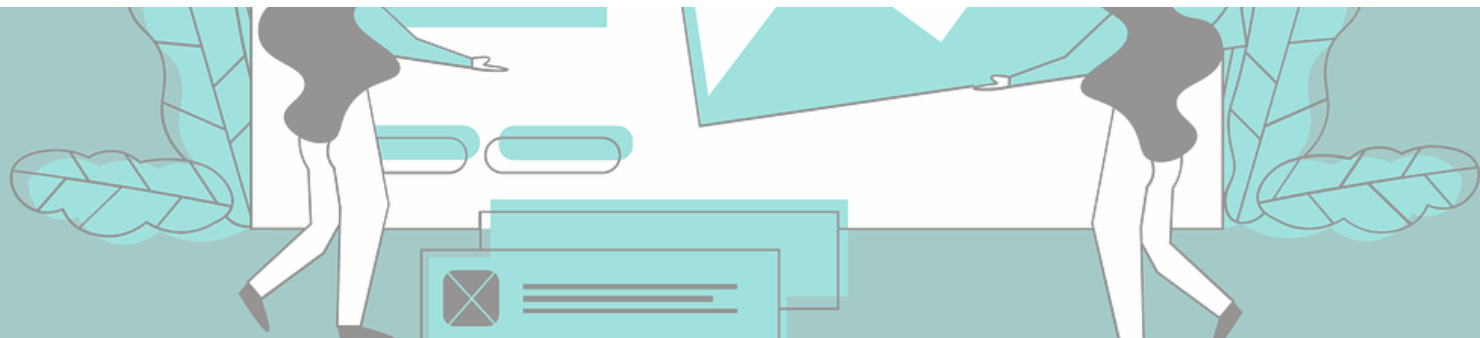


In one word, describe your overall sentiment toward using ChatGPT in education.

① Start presenting to display the poll results on this slide.



ChatGPT as a Learning Tool



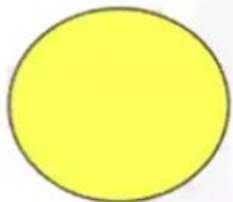
ChatGPT as a Learning Tool

- ChatGPT as Mentor
- ChatGPT as Coach
- ChatGPT as Teammate
- ChatGPT as Student
- ChatGPT as Simulator
- ChatGPT as Tool

Stoplight for Assignments



NO AI: Mitigate but explain why



SOME AI: Ideas or Editing Only?
Which tools and when?



ANY AI: Go but document and credit

Fostering integrity, responsibility, and academic honesty

- Discuss academic integrity
- Give integrity quiz
- Allow students to withdraw submissions
- Remind students about academic integrity
- Normalize help



ChatGPT-Resistant Assignments



Creating ChatGPT-resistant assignments

- Presentations and conferences
- Oral Exams
- Video projects
- Podcasts
- Personal writing
- Social annotations
- Traditional assessments

Strategies across assignments

- Create assignments that maintain the same learning outcomes
- Reframe assessment practices
- Design authentic assessments (e.g., requiring in-class participation, presentations, or oral defenses)
- Set reasonable workloads
- Be flexible
- Offer multiple ways for students to meet learning objectives
- Scaffold assignments
- Increase student motivation to learn



Bowen, J. A., & Watson, E. C. (2024). *Teaching with AI*. Johns Hopkins University Press.

EDUCAUSE. (2024). *Leveraging ChatGPT for Learning [Course module 2]*. In *Teaching with Artificial Intelligence*. EDUCAUSE Learning Initiative.



ChatGPT-Augmented Assignments



Fostering integrity, responsibility, and academic honesty

- Discuss academic integrity
- Give integrity quiz
- Allow students to withdraw submissions
- Remind students about academic integrity
- Normalize help

Intentional ChatGPT integration in assignments

- Make ChatGPT an intentional learning partner:
 - Require students to identify and explain AI contributions
 - Incorporate reflection prompts on their AI use
 - Ask students to test and critique AI's limitations



Assignment: Evaluate ChatGPT's argument for logical soundness

Objective: Teach students how to critically assess AI-generated arguments.

Instructions:

1. Ask ChatGPT to generate a 250-word persuasive argument on a given topic.
2. Identify the claims, supporting evidence, and conclusion.
3. Analyze the argument's logical structure—are there any gaps in reasoning?
4. Compare ChatGPT's argument with scholarly sources and discuss how AI-generated reasoning differs from human argumentation.

Purpose: This assignment encourages students to use AI as a starting point but ensures they apply critical thinking to refine and fact-check AI-generated content



Assignment examples were identified using *ChatGPT Assignments to Use in Your Classroom Today* (Yee et al., 2023), with initial extraction facilitated by ChatGPT (OpenAI, 2025) for efficiency.

Assignment: Verify the existence of quoted sources

Objective: Ensure students develop proper research skills without relying on AI-generated hallucinated sources.

Instructions:

1. Select a research topic and ask ChatGPT to generate a bibliography in APA format.
2. Use the university's library database to verify whether the listed sources exist.
3. For each source, provide a screenshot of your search results.
4. Write a reflection on any discrepancies found and how this exercise informs proper research practices.

Purpose: This assignment helps students recognize the limitations of AI-generated citations and develop skills in verifying academic sources



Assignment examples were identified using *ChatGPT Assignments to Use in Your Classroom Today* (Yee et al., 2023), with initial extraction facilitated by ChatGPT (OpenAI, 2025) for efficiency.

Assignment: Generate a poetry-based explanation of a scientific concept

Objective: Use AI to promote creativity in explaining academic concepts.

Instructions:

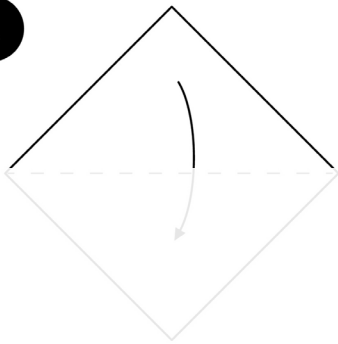
1. Choose a complex scientific or philosophical concept (e.g., quantum mechanics, existentialism).
2. Ask ChatGPT to generate a poem that explains the concept using metaphors and figurative language.
3. Revise the AI-generated poem to improve clarity, accuracy, and creativity.
4. Write a short reflection on how AI-assisted poetry helped deepen understanding of the topic.

Purpose: This assignment leverages AI to enhance engagement and allow students to experiment with creative ways of learning.

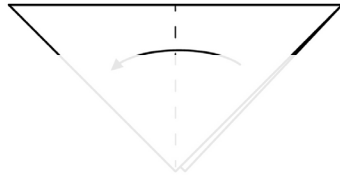


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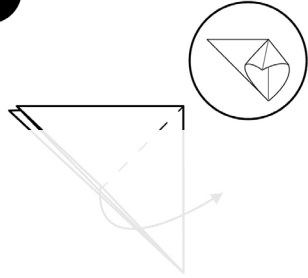
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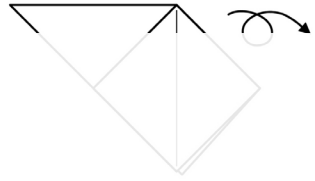
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A Step-by-Step Guide

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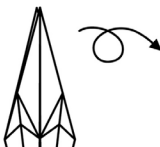
Integrating ChatGPT into Your Course Assignments

The following list of steps was structured with assistance from OpenAI's ChatGPT, which organized and refined the step-by-step approach based on original notes and presentation content.

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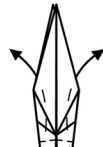
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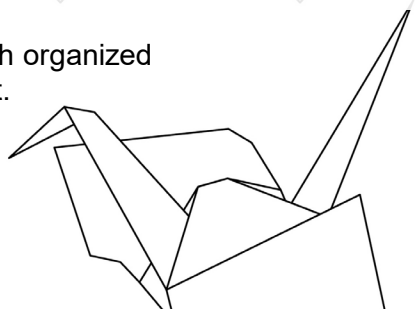
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Quick-reference summary: ChatGPT in assignments

Step	Action
1. Decide How ChatGPT Enhances Learning	Identify how ChatGPT supports, not replaces, student learning
2. Address Potential Challenges Early	Plan for student overreliance, detection concerns, and ChatGPT biases
3. Determine the Level of ChatGPT Integration	Choose ChatGPT's role: mentor, coach, teammate, or tool
4. Design ChatGPT-Enhanced Assignments	Require critical thinking, fact-checking, and ChatGPT reflection
5. Establish Clear ChatGPT Use Guidelines for the Assignment	Set expectations and require students to cite ChatGPT use
6. Test ChatGPT in Your Assignments	Start small, compare outcomes, and gather student feedback
7. Monitor and Provide Feedback	Use reflection prompts and emphasize student process over ChatGPT output

Step 1: Decide how chatGPT enhances learning


Task: Identify how ChatGPT fits into your learning goals

- **Ask Yourself:**

- Does it help students **brainstorm, summarize, or analyze**?
- Does it **automate tedious work** so students can focus on deeper thinking?
- Does it serve as a **mentor, coach, or teammate** in the learning process?

Example:

 **BEFORE AI:** Students write a research paper from scratch.

 **WITH AI:** Students use ChatGPT to generate multiple perspectives on a topic, critique AI bias, and refine their thesis before writing their paper

Step 2: Address potential challenges early

Task: Identify and mitigate risks of ChatGPT use.

Common Faculty Concerns & Solutions:

Concern	Solution
Students will rely too much on ChatGPT	Require students to analyze, compare, or critique ChatGPT responses , not just submit ChatGPT-generated content
It's hard to detect ChatGPT use	Shift from detection to process-based assignments (drafts, revisions, peer reviews)
ChatGPT-generated content may be inaccurate or biased	Have students' fact-check, compare ChatGPT outputs, and reflect on biases

Step 3: Determine the level of ChatGPT integration

Task: Define ChatGPT's role in your assignment.

AI Role	Example Assignment
ChatGPT as Mentor	Students use ChatGPT for idea generation but must refine ideas themselves
ChatGPT as Coach	ChatGPT provides feedback on writing , and students revise based on it
ChatGPT as Teammate	Students collaborate with ChatGPT on a project, documenting ChatGPT's contributions
ChatGPT as Student	ChatGPT generates an argument, and students debunk or improve it
ChatGPT as Simulator	ChatGPT creates historical dialogues, and students analyze them for accuracy
ChatGPT as Tool	ChatGPT summarizes complex texts, but students must critique and expand on them

Step 4: Design ChatGPT enhanced assignments


Task: Adapt assignments to **integrate ChatGPT** while maintaining rigor.

- **Actionable Adjustments:**

- ✓ **Scaffold assignments:** Break tasks into **drafts, reflections, and revisions**
- ✓ **Require citations:** Students must **acknowledge ChatGPT's role** and evaluate its accuracy
- ✓ **Encourage comparisons:** Have students **contrast ChatGPT-generated responses with traditional research**
- ✓ **Use structured reflection prompts**

Example:

 **BEFORE AI:** Students write an essay on climate change

 **WITH AI:** Students ask ChatGPT for **multiple perspectives**, fact-check the responses, and write an analysis **evaluating AI-generated bias**

Step 5: Establish clear ChatGPT use guidelines

Task: Define what is **allowed vs. prohibited** in this assignment

- **Assignment-specific ChatGPT use guidelines example:**

"For the research paper assignment, students may use ChatGPT to generate topic ideas and draft thesis statements. However, all research, analysis, and final writing must be their own. Any AI-generated content must be cited, and students must include a brief reflection on how they used AI and how it influenced their work"

"For discussion board responses, students may use ChatGPT for brainstorming but must write their responses in their own words. Direct copying of AI-generated text is not permitted"

"For coding assignments, AI tools may be used for debugging assistance, but students must annotate any AI-generated code and explain their modifications"

Step 6: Test ChatGPT in Your Assignments

Task: Pilot a small-scale ChatGPT-enhanced assignment before full implementation

- **Ways to Test:**

- ✓ Have students **reflect on ChatGPT use** in class discussions
- ✓ Compare learning outcomes **between ChatGPT-assisted and traditional assignments**
- ✓ Gather **student feedback** on ChatGPT's effectiveness in supporting their learning

Step 7: Monitor and provide feedback

Task: Ensure students engage critically with ChatGPT

- **Use These Reflection Prompts:**


-  *How did ChatGPT influence your thinking on this topic?*

-  *What changes did you make to the ChatGPT-generated content, and why?*

-  *Did you notice any biases in ChatGPT's responses?*

-  *How does ChatGPT compare to traditional research methods?*

- **Faculty Feedback Strategies:**

-  Provide structured feedback on students' **ChatGPT use, critical thinking, and originality**

-  Encourage process-based grading (evaluating drafts, revisions, and ChatGPT interactions)

-  Adjust ChatGPT integration based on student **performance and engagement**

Collection of AI-enhanced Assignments from Various Universities

Assignment Ideas

- Guide that highlights ideas for using chatbots in classroom assignments and activities based on the [ChatGPT Assignments to Use in Your Classroom Today](#) book from the University of Central Florida. Created by the University of Michigan
- [Book Guide - Using GenAI in Classroom Assignments and Activities \(U-M TTC\)](#)
- [Book Guide - Using Chatbots in Classroom Assignments and Activities](#) Created by the University of Michigan.
- [TILT Higher Ed: Transparent Assignment Template](#)
- [Creative ideas to use AI in education](#)
- [CCC Activities & Personas](#)
- [Incorporating AI in Teaching: Examples from Yale Instructors.](#)
- [AI PEDAGOGY PROJECT Project metaLAB \(at\) Harvard: Assignments.](#)
- José Antonio Bowen - [Writing Assignments Post-AI](#)

Other Resources

- [AI for Education: Studies Related to Generative AI in Education](#)
- [EDUCAUSE: Striking a Balance: Navigating the Ethical Dilemmas of AI in Higher Education](#)
- Stanford University: [Resources.](#)

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What support or resources would help you feel more confident in using GenAI in your teaching?

① Start presenting to display the poll results on this slide.

Q&A



Upcoming workshop

Creating Custom GPTs in ChatGPT

Monday March 17, 2025

11- Noon by zoom

Questions

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