

AI-RESISTANT VS. AI-INTEGRATED ASSIGNMENTS

WHY ASSIGNMENT DESIGN MATTERS IN THE AGE OF AI

Generative AI tools can produce essays, summaries, and responses quickly. Because of this, instructors may want to design assignments that either:

Limit inappropriate AI use (AI-resistant assignments)

Teach students how to use AI responsibly (AI-integrated assignments)

Both approaches support **academic integrity and meaningful learning**.

TIPS FOR DESIGNING EFFECTIVE ASSIGNMENTS

- ✓ Focus on critical thinking and analysis
- ✓ Ask students to explain their reasoning
- ✓ Include drafts or checkpoints
- ✓ Require citations and sources
- ✓ Encourage reflection on AI use

APPROACH 1: AI-RESISTANT ASSIGNMENTS

AI-resistant assignments are designed so that AI tools cannot easily complete the work without the student's own thinking, experience, or analysis.

THESE ASSIGNMENTS EMPHASIZE:

- Personal reflection
- Real-world observation
- Class discussion participation
- Step-by-step work processes
- Original analysis of course materials

Examples of AI-Resistant Assignments

Reflection Assignments

Students connect course concepts to their own experiences.

Example: Describe a situation where you applied the concept of cognitive bias in your daily life.

Process-Based Assignments

Require drafts, checkpoints, or explanations of thinking.

Example: Submit an outline, annotated bibliography, and reflection explaining how your research developed.

Class-Specific Activities

Assignments tied directly to lectures or discussions.

Example: Analyze a case study discussed during this week's class and explain how the theory applies.

Oral Presentations

Students explain their work verbally.

Example: Record a short video explaining your argument and research process.

APPROACH 2: AI-INTEGRATED ASSIGNMENTS

AI-integrated assignments intentionally **teach students how to use AI tools critically and responsibly**.

THESE ASSIGNMENTS EMPHASIZE:

- AI literacy
- Critical evaluation of AI responses
- Transparency about AI use
- Human analysis and reflection

Examples of AI-Integrated Assignments

AI Critique Assignment

Students analyze AI responses for accuracy.

Example: Ask an AI tool to explain a concept from this course. Identify any errors or missing information and explain how the response could be improved.

AI-Assisted Brainstorming

Students use AI to generate ideas, then refine them.

Example: Use an AI tool to generate three possible research questions. Choose one and explain why it is the strongest option.

Prompt Engineering Exercise

Students practice writing effective prompts.

Example: Write three prompts that produce increasingly detailed explanations of a course concept.

Compare AI vs. Human Writing

Students evaluate differences.

Example: Generate an AI response to a question and compare it with your own analysis of the same topic.

KEY TAKEAWAY

Artificial intelligence tools are changing how students interact with information. Thoughtfully designed assignments can help students develop **critical thinking, originality, and responsible AI use**.

NEED HELP?

Faculty who want assistance designing **AI-resistant or AI-integrated assignments** can contact:

NCTC eLearning Department

Support for course design, AI integration, and instructional strategies.

Attribution

Adapted from teaching resources by the **University of Texas at Austin Center for Teaching and Learning**, **University of Michigan Center for Academic Innovation**, and **Vanderbilt University Center for Teaching**.

<https://ctl.utexas.edu/generative-ai-teaching-and-learning-assignments>

<https://www.vanderbilt.edu/generative-ai/academic-integrity/>

https://www.facultyfocus.com/articles/educational-assessment/designing-ai-resistant-assignments-in-educational-leadership-courses/?utm_source=chatgpt.com

AI AND FERPA

WHAT IS FERPA?

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. FERPA applies to all institutions receiving federal education funding, including North Central Texas College.

FERPA gives students the right to:

- Access their education records
- Request corrections to inaccurate records
- Control the disclosure of personally identifiable information from their records

WHAT COUNTS AS AN EDUCATION RECORD?

Education records include materials that contain information directly related to a student and are maintained by the institution.

Examples include:

- Grades and transcripts
- Student ID numbers
- Assignment submissions
- Advising records
- Any records containing personally identifiable student information

WHY FERPA MATTERS FOR AI TOOLS

Generative AI tools may process or store data that is entered into them. If student information is entered into an AI tool, it may be shared with a third-party system outside the institution. Faculty and staff must ensure that student information is protected and FERPA compliance is maintained when using AI technologies.

KEY TAKEAWAY

Artificial intelligence tools can support teaching and productivity, but protecting student privacy must always come first.

When in doubt, do not enter student information into AI systems.

FERPA CONSIDERATIONS WHEN USING AI

When using AI tools in teaching or administrative work, consider the following:

- ✓ Do not enter personally identifiable student information into public AI tools
- ✓ Avoid sharing grades, student IDs, or private student records
- ✓ Use only approved institutional tools when handling student data
- ✓ Be transparent with students if AI tools are used in coursework
- ✓ Check with IT or eLearning before adopting new AI tools

EXAMPLES OF WHAT NOT TO ENTER INTO AI TOOLS

Avoid entering information such as:

- ✗ Student names with grades
- ✗ Student ID numbers
- ✗ Assignment submissions tied to identifiable students
- ✗ Advising or disciplinary records
- ✗ Any protected education record

SAFER WAYS TO USE AI

AI can still be useful without sharing student information.

Examples include:

- ✓ Generating lesson ideas or activities
- ✓ Creating practice questions or examples
- ✓ Drafting general feedback templates
- ✓ Summarizing non-student data or public information

NEED HELP?

If you have questions about FERPA or data privacy when using AI tools:

NCTC IT Department

Guidance on approved software and data security, AI do's and don'ts

NCTC eLearning Department

Support for AI use in teaching and course design

NCTC Library

Research guidance and information literacy support
<https://www.nctc.edu/lions/library/>

Attribution

Adapted from guidance by the **Center for Teaching and Learning, Northern Michigan University**, "Understanding FERPA in the Context of Generative AI."
<https://nmu.edu/ctl/understanding-ferpa-context-generative-ai-guide-faculty>

AI USE AT NCTC

AI USE IN COURSEWORK

Students should always refer to their instructor's syllabus or course requirements for specific statements regarding AI use in the classroom. It is important to understand which AI tools and assistance are permitted for assignments and exams. Unauthorized use of AI tools may jeopardize a student's academic integrity.

For more information about Academic Integrity, students can consult the **NCTC Student Code of Conduct**.

AI USE IN INSTRUCTION

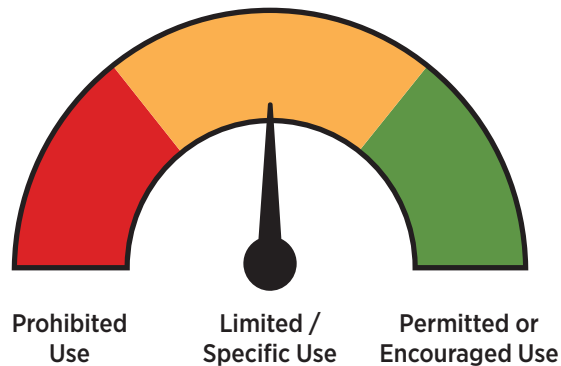
At this time, NCTC does not prohibit the use of generative AI tools in coursework; decisions about whether and how to incorporate AI are left to the discretion of individual faculty and academic divisions.

If you are uncertain about how to implement, limit, or regulate AI use in your course, we encourage you to consult with your division chair or dean. They can help determine whether AI use aligns with your course learning outcomes and departmental standards.

Faculty members can determine the appropriate level of generative AI use in their courses.

Below are three model AI Syllabus statements reflecting common approaches—Prohibited, Limited/Specific Use, and Encouraged/Permanent Use—which can be adapted to suit individual course objectives and expectations.

AI SYLLABUS STATEMENTS



AI Use Not Allowed

PROHIBITED USE

This course requires that all submitted work be created entirely by the student (or student group), without the assistance of artificial intelligence tools or other external entities. The use of generative AI (such as ChatGPT or similar tools), hiring a writer, or otherwise outsourcing any substantive part of an assignment is strictly prohibited. All submitted work must reflect your own original thinking and writing.

Adapted from the UMass Amherst Center for Teaching and Learning



AI Use Limited

LIMITED OR SPECIFIC USE

Generative AI tools (e.g., ChatGPT) may be used in this course only for designated assignments where their use is explicitly permitted. Assignment instructions will clearly indicate when and how these tools may be used. If you choose to use AI for any part of an assignment—such as idea generation, writing assistance, or revision—you are required to clearly document and cite your use of the tool. Unauthorized or undisclosed use will be considered a violation of academic integrity.

Adapted from the University of Vermont Center for Student Conduct



AI Use Encouraged

PERMITTED OR ENCOURAGED USE

The use of generative AI tools in this course is permitted—and in some cases encouraged—when used responsibly and with full attribution. You may use AI to support tasks such as brainstorming, drafting, revising, or editing your own written work. Any text, ideas, or content generated by an AI tool must be clearly labeled and cited in your submitted assignments. You are still responsible for the final content and ensuring that it meets the academic standards of the course.

Adapted from the University of Texas Center for Teaching and Learning