

Integrating AI into Assignments Workshop Kit

Main content start

This workshop kit will help your audience develop student assignments that leverage AI and to leverage AI to assist with grading.

Workshop goal and objectives

This workshop can help participants integrate AI into student assignments and their grading process. The workshop provides examples of instructors and courses that use AI, pedagogic principles to inform decisions, and frameworks to guide the development of an AI-enhanced assignment.

After completing this workshop, participants should be able to:

- Describe strategies and methods for designing effective learning activities.
- Describe applicable AI tools and examples of how instructors and students can use AI chatbots for assignments.
- Describe issues related to using AI for grading and strategies that address them.

Audience

This workshop is intended for instructors using AI tools for student assignments and using AI to aid them in grading.

Time

This workshop is approximately 70 minutes in length.

Key strategies

This workshop identifies foundational pedagogic principles for designing assignments and grading student work. Then it has participants apply them to generative AI tools. The workshop leverages active learning strategies and culminates in a worksheet activity where participants will develop a concept for an AI-enhanced assignment.

Consider the following strategies and perspectives when developing this workshop.

- Encourage participants to recall their knowledge about effective teaching and apply it to AI contexts.
- Encourage participants to view AI as a way to enhance existing positive practices rather than a way to replace work.
- Acknowledge that access to AI tools varies by institution, is likely evolving quickly, and is often beyond the control of individual instructors. Encourage participants to focus on the pedagogical aspects of the course that they can control.

Reading list

Consider these resources as you prepare to lead this workshop.

Artificial Intelligence Teaching Guide: Web-based resources from the Stanford Teaching Commons

- [Integrating AI into assignments](#)

Relevant Stanford campus guidance

- [Responsible AI at Stanford](#), Stanford University IT

General resources about assessment and evaluation

- [Feedback and Assessment](#), Stanford Teaching Commons

Example assignments and lessons

- [Generative AI in Teaching & Learning video playlist](#), Harvard University, Vice Provost for Advances in Learning (VPAL)
- [AI Pedagogy Project](#) from metaLAB (at) Harvard
- [Exploring AI Pedagogy](#) from the MLA-CCCC Joint Task Force on Writing and AI
- [TextGenEd: Continuing Experiments, January 2024 Collection](#) from WAC Clearinghouse

Slide presentation with speaker notes

Here you can find slide presentations for this workshop in different formats. The PDF version of the slides is useful for skimming and previewing the workshop. View the slide notes for additional context and sample scripts. We then recommend downloading the full PowerPoint presentation to adapt and customize. The full PowerPoint presentation includes speaker notes, sample scripts, and additional optional slides from other AI workshop kits.

Complete this form to receive an email with links to the files. This form helps us track the kits' impact and advocate for more resources to support teaching and learning.

Workshop agenda

This suggested agenda proposes a workshop that balances content presentations with learning activities. This agenda is a starting point as you adapt it to fit your audience.

- Introduction (5 minutes)
 - Lecture and slide presentation
 - Slides 1 to 5
- Warm-up activity (5 minutes)
 - Individual exploration of AI tools
 - Slide 6
- Using AI in student assignments (10 minutes)
 - Lecture and slide presentation
 - Slides 7 to 12
- Explore examples of AI assignments (15 minutes)
 - In small groups, select and watch a short video, then discuss how it might be applicable
 - Slides 13 to 15
- Using AI for grading (15 minutes)

- Lecture and slide presentation
- Slides 16 to 22
- Design sprint activity (15 minutes)
 - Using a worksheet, develop a concept and grading strategy for an AI-enhanced assignment
 - Slides 23 to 26
- Wrap-up (5 minutes)
 - Participants complete a short summative assessment and evaluation survey.
 - Slides 27 to 28

Promotional resources

You can use the following sample language to promote your workshop. This language was created with assistance from ChatGPT. Consider using AI tools yourself to generate other promotional material, such as promotional images, to get more practice using generative AI tools.

Elevate Your Teaching with AI: A Hands-On Workshop

Example 1

Dive into the future of education with our exclusive workshop, “Integrating AI into Assignments,” presented by the Teaching Commons. Discover innovative strategies and gain fresh perspectives on incorporating AI tools into your curriculum to enhance student learning and assessment. Workshop highlights include:

- **Strategies for Success:** Explore examples from faculty who have integrated AI into their assignments and activities.
- **Pedagogic Rationale:** Understand the thoughtful pedagogical reasons behind using AI and how it supports student learning.
- **Hands-on Approach:** Collaborate with other educators to develop your assessments using AI.

Join us for this transformative experience and empower your teaching with the cutting-edge capabilities of artificial intelligence!

Integrate AI into Your Teaching with Confidence

Example 2

Enhance your curriculum with our workshop on AI assignments. Learn to craft engaging, AI-powered activities that enrich student learning and align with educational goals. Join us at the Teaching Commons for a session that will revolutionize your approach to teaching with AI.

Assessment and evaluation survey

This survey serves multiple functions. It gathers demographic information about the workshop participants, evaluates the workshop's effectiveness, prompts metacognitive reflection, and gathers feedback on improving the workshop. The survey was created in Google Forms. Make a copy of the survey to adapt and keep in your Google Drive.

[Preview the example survey as a responder.](#)

[Create a copy of the example survey \(Stanford only\)](#). Log in to your Stanford Google account, then use the link to make a copy in your Google Drive to edit and distribute.

Feedback on this workshop kit

Please respond to the poll below to share your feedback on this workshop kit. Your feedback will help us improve this workshop kit and develop resources that support your teaching. Your anonymous responses will be seen only by the Teaching Commons team. Please respond to the prompt, "What feedback do you have for the creators of the Integrating AI into Assignments Workshop Kit?"

Author and attribution

Kenji Ikemoto, Associate Director for Academic Technology at the Stanford Center for Teaching and Learning, created this workshop kit in June 2024.

This workshop kit is licensed under [Creative Commons BY-NC-SA 4.0](#) (attribution, non-commercial, share-alike). You may adapt, remix, or enhance these modules for non-commercial use. Please attribute it to the **Stanford Center for Teaching and Learning**. We ask that you also share your work under the same licensing terms.

Additional resources on AI and education

In 2025, the Center for Teaching and Learning launched the [AI Meets Education at Stanford \(AIMES\)](#) initiative. AIMES resources and programs include the [AIMES Library of Examples](#), containing exemplary learning objects from Stanford courses, and the [Critical AI Literacy for Instructors](#) self-paced Canvas course.

Contact

If you have questions about this workshop kit contact us at TeachingCommons@stanford.edu✉.

Stanford community members are invited to [request a consultation](#) with experts at the Center for Teaching and Learning (CTL).