

Authentic Assessment in the Age of AI

What do fellow instructors have to say?

AI Summarization of iClicker responses



What kinds of assessments could you modify with the use of AI?

These themes suggest that instructors are interested in using AI to make assignments more dynamic, practical, and personalized, and to integrate current data or multimedia formats that resonate with students' everyday experiences.

- **Case Studies:** Instructors in fields like environmental science and nursing are using AI to create or customize case studies for engagement.
- **Multimodal Assignments:** AI is helping shift traditional essays to formats like video and visual essays, adding multimedia options.
- **Real-World Data and Application:** AI supports assignments using real data, like nutrition labels or climate data, to make topics relatable.
- **Team Building and Group Exercises:** AI tools facilitate teamwork exercises and simulate collaborative scenarios.
- **Personalized and Confidential Data Handling:** AI generates hypothetical cases in fields like nursing to protect confidentiality.
- **Analysis and Evaluation:** AI assists in analyzing materials and creating resources, allowing students to focus on deeper insights.
- **Global and Social Topics:** AI provides insights on global and social topics, enhancing relevance in assignments.

How might learning outcomes for your assignment shift?

Instructors are aiming to adapt learning outcomes to be more dynamic, analytical, and creative, using AI as a tool to support this transformation. The focus is on fostering critical thinking and practical skills over rote memorization.

- **Critical Thinking and Application:** Focus shifts from memorization to applying ideas, like analyzing AI-generated case studies.
- **Enhanced Analytical Skills:** Outcomes emphasize evaluating data, especially in case-based assignments.
- **Multimedia and Creativity:** Outcomes now include tasks like designing infographics or adding visual/audio elements.
- **Higher-Order Skills:** Action verbs like "create" and "apply" replace "list," promoting deeper learning.
- **AI for Dynamic Outcomes:** Some instructors use AI to adapt outcomes for more engaging, interactive learning.

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What are some ways students might use AI to enhance their experience completing the revised assignments?

Instructors imagine students using AI as a valuable tool for clarifying concepts, preparing for exams, and supporting creative projects, enhancing understanding without bypassing the learning process.

- **Guidance and Explanation:** Students see value in using AI as a tool to clarify difficult concepts, help outline ideas, or summarize findings in a concise way. This could enhance understanding and provide direction without replacing the learning process.
- **Support for Exam and Lab Preparation:** AI could help build review materials for exams, such as cheat sheets of equations or summaries, or aid in drafting conclusions for lab reports. This allows students to focus on understanding rather than on purely procedural tasks.
- **Creative Assistance:** AI might assist in generating ideas for graphic stories or other creative projects, providing a springboard for students to expand on their original thoughts and add depth to their work.

What are some ways you might anticipate students misusing AI?

Instructors worry that students might misuse AI to bypass learning steps, produce unverified or fake information, lack transparency in AI usage, and submit responses that lack personal insights or depth, undermining the authenticity and educational value of assignments.

- **Skipping the Learning Process:** There's a concern that students might misuse AI to generate final answers, skipping essential steps in the learning process. This includes generating "analysis" without understanding or producing fake sources and citations.
- **Transparency and Authenticity Issues:** Both faculty and students might lack transparency about AI usage, which could undermine the integrity of assignments and the course as a whole. AI can potentially generate answers across all facets of an assignment, making it difficult to verify genuine understanding.
- **Reliance on AI without Verification:** Students might misuse AI by not double-checking facts or sources, leading to inaccuracies in their work. Relying too heavily on AI-generated content without personal input or fact-checking can create a shallow understanding and poor-quality results.
- **Personalization Gaps:** AI-generated responses may lack the personal insights or specific references required in certain assignments, such as case studies or assignments based on personal opinion. This could make AI-based submissions easily detectable and miss critical course goals.

This content piece was created using generative AI to summarize the responses shared by fellow instructors via iClicker during the "Authentic Assessment in the Age of AI" webinar.



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