

Annotated Bibliography: Assignment Design for Academic Integrity

This annotated bibliography contains resources on ChatGPT and how to design exams and assignments that promote academic integrity.

Resources on Artificial Intelligence and ChatGPT

Resource Compilations and Library Guides

- [Academic Tech Tips](#), Loyola University Chicago ITRS

This guide provides a collection of resources to aid teaching and learning in the age of generative AI.

- [AI for Education Website](#)

This website contains links to AI workshops and training, AI consulting for schools, and AI resources and tools.

- [AI in Education Resource Directory](#), from the [POD Network](#) listserv

This directory lists readings, websites, videos, and other resources for instructors related to AI software.

- [ChatGPT and AI Software Video Explanations](#)

This collection of videos explains what ChatGPT and AI software is, what it may mean for the landscape of education, and why it is such a big deal.

- [ChatGPT and Artificial Intelligence Tools](#), [Center for New Designs in Learning and Scholarship](#)

This resource from Georgetown University provides preliminary background information on ChatGPT, how to discuss it with students, assignment design ideas, and how to detect usage of the AI software.

- [ChatGPT: Understanding the new landscape and short-term solutions](#), Cynthia Alby, author of [Learning That Matters](#)

Understanding the new landscape of higher education with ChatGPT is only part of the process. This document poses short-term solutions for instructors to use as ChatGPT becomes increasingly popular.

- [Considerations for Integrating AI within Teaching and Learning](#), University of Delaware

This guide gives reasons for integrating AI in education and key considerations for AI integration, such as ensuring a human-centered, transparent, ethical, and educationally effective learning environment.

- [Crafting AI Prompts: A Workbook for Educators](#), Course Hero

This workbook gives guidance on how to effectively prompt generative AI tools such as ChatGPT to elicit meaningful responses. It also provides AI use cases and example prompts for the classroom.

- [EDUCASE AI Landscape Study Key Findings](#) (2024)

This resource summarizes key findings from a 2024 study investigating the higher education community's sentiments and experiences on strategic planning and readiness, policies and procedures, workforce, and the future of AI in higher education.

- Fact-checking tool: [ClaimBuster](#)

This project performs automated live fact-checking.

- Fact-checking tool: [Google Fact Check Explorer](#)

To quickly investigate the truth behind information on the Internet, use this tool to find fact-checker websites' ratings of claims.

- [Faculty Club: Technology and AI](#), Course Hero

This resource guide helps faculty integrate AI tools into activities and assessments to create interactive, accessible learning experiences.

- [Loyola University Chicago Faculty Experts on Artificial Intelligence](#)

This search tool provides a list of instructors at Loyola University Chicago who are experts in artificial intelligence. Faculty experts in other fields can also be found using this tool.

- [Zotero Group](#)

This resource is a collection of articles about ChatGPT, an emerging artificial intelligence tool generating a lot of attention in higher education.

- [There's an AI for That](#)

This website is a compilation of AI tools that can assist in a wide variety of tasks, including image generation, chatting, writing, data analysis, interview prep and resume optimization, personal development, language learning, and cooking.

Advice on Exploring and Responding to ChatGPT

- [AI for Education Blog](#)

This collection of blog posts covers a variety of topics surrounding AI in education, including the reliability of AI detection tools, news and updates about ChatGPT, and guidance for using AI in the classroom.

- [ChatGPT: A Must-See Before the Semester Begins](#), Faculty Focus

Learning all ChatGPT's capabilities is a large undertaking. This article shows examples of what ChatGPT can do and how students can use it. From a perspective of not increasing punishment for using technology, this article shows a path forward for instructors.

- [Classroom Policies for AI Generative Tools \(e.g., syllabus statements\), from AI listserv](#)

Want to create classroom policies regarding ChatGPT? Check out these policies for example ideas and language.

- [Create Rubrics with an AI Chatbot](#), AI for Education

Need help designing assignment rubrics? This resource explains how to prompt ChatGPT to design rubrics that meet your needs and specifications.

- [GenAI Chatbot Prompt Library for Educators](#), AI for Education

These sample prompts to give ChatGPT can assist instructors in creating assessments, learning objectives, PowerPoint slides, newsletters, SEL activities, and more.

- [Guidance on AI Use in Course Development](#), Oregon State University

This resource provides considerations for deciding if and how to incorporate artificial intelligence tools into course development, research, and other work projects.

- [How Artificial Intelligence is Impacting Higher Education](#) (Teaching in Higher Education podcast)

If you're tired of reading new ways to work with ChatGPT, or prefer an audio-format, check out this podcast that explores the impact of AI software on higher education. The podcast contains additional recommended resources.

- [Practical Responses to ChatGPT](#), Montclair State University

Unsure of how to tackle course design hurdles with the rise of AI? Try these methods of syllabi changes and last resort strategies to encourage academic integrity.

- [Prompt Framework for Educators: The Five "S" Model](#), AI for Education

When given effective prompts, AI chatbots like ChatGPT can help instructors create rubrics, refine assignments, design lecture slides, and more. This resource gives guidelines for prompting AI chatbots to elicit helpful responses.

- [Sample Syllabus Statements and Activities for Using AI in School](#), Course Hero

Refer to this guide for general principles of student AI use in the classroom, ethical reminders, ways for students to avoid inappropriate AI use, discussion questions about AI, sample AI statements for syllabi, and more.

- [Teaching and Generative AI: Pedagogical Possibilities and Productive Tensions eBook](#), UEN Digital Press

This free eBook discusses the applications of AI in teaching and learning, research studies about its effectiveness in the classroom, and the interplay of race, indigenous studies, and AI.

- [Video: Generative AI in a Nutshell – how to survive and thrive in the age of AI](#)

This video is a crash course in AI, covering what generative AI is, how it works, how it can be used, and what some of the risks and limitations are.

- [Video: What are Generative AI models?](#), IBM Technology

In this short video, an IBM expert explains how large language models (such as GPT and Google’s Gemini) work, as well as their advantages and disadvantages.

- [What is AI?](#), Khan Academy

This short course contains videos explaining how AI works, what machine learning is, how chatbots and large language models work, how training data affects a machine’s decisions, and how neural networks work.

- [What is AI Literacy? Competencies and Design Considerations](#), from Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems

This paper provides a definition of AI literacy, synthesizes the literature into five overarching themes of artificial intelligence, gives a set of core competencies in each area, and suggests design considerations to develop learner-centered AI.

AI Written Text Detectors and Banning the Tool

- [A college student made an app to detect AI-written text: NPR](#)

Want ways to check if your students are using AI software for their essays/written prompts? Consider this app that can help detect AI-written text. (Note that the app is not foolproof, and the model’s accuracy is still being improved.)

- [Schools Attempting to Ban/Restrict AI Tool Use](#)

Peruse this list of schools that explore banning ChatGPT. This document has additional resources for rebuttals to this line of action.

Assignments that Protect Academic Integrity

- [Audio Reflection Assignments Help Students Develop Metacognitive Skills](#)

As some students find writing assignments daunting, classroom work incorporating audio reflections provides students with another opportunity to answer prompts and give opinions without the rigid grading of written tasks. This article details the ins and outs of integrating audio assignments into a current curriculum.

- [Faculty Resources for Academic Integrity](#), Arizona State University

This resource list helps instructors promote academic integrity in all aspects of the classroom, including setting student expectations, designing assessments, and implementing teaching strategies.

- [Plagiarize-Proof Your Writing Assignments](#)

Due to the severe consequences of plagiarism, can faculty prevent a student from the temptation of plagiarizing? Try these ways to strengthen students' writing ability while provoking critical thinking and original ideas.

Structuring Exams and Writing Exam Questions

Exams

- [14 Simple Strategies to Reduce Cheating on Online Examinations](#)

As most classes have been moved to virtual formats, exams and academic integrity do not always go hand-in-hand. However, these easy strategies can help to put your mind at ease.

- [Exams: Maximizing Their Learning Potential](#)

Instead of approaching written exams as a black and white task, where the professor writes the questions and the students study material and take the test, exams should be formative and summative. Here are some ways that you can maximize a student's knowledge outside of the traditional exam process.

- [Making Exams More about Learning](#)

To better teach the material presented in an exam, it is important to make the exam a learning process instead of solely a test experience. Try these various assignments before and after the exam to enhance the student's learning experience.

- [Nine Benefits of Student-Generated Discussion Exam Questions](#)

Writing exam questions can be time-consuming and a dry task for faculty. Could a student complete this responsibility instead? Learn more about the benefits that students and faculty members receive through students creating their own exam questions.

- [The Effects of Collaborative Testing](#)

As most assignments in higher education are individually completed and graded, group testing may seem strange. However, this resource explores both the positive effects on students and initial roadblocks for implementing this strategy.

Writing Exam Questions

- Allen, D., & Tanner, K. (2002). [Approaches to cell biology teaching: questions about questions](#). *Cell Biology Education*, 1(3), 63-67.

Questions play a vital role in an educational setting, not only during the examination process, but also throughout each class session. By dissecting Bloom's Taxonomy of the Cognitive Domain, this article lists different types of questions to engage the six ways that students think.

- [Bloom's Question Starters for Higher Order Thinking](#)

Interested in learning more about the specifics of Blooms Taxonomy? This article includes examples of six different types of questions you can use on your next assignment to promote critical thinking!

- [Don't Assume Difficult Questions Lead to Higher Order Thinking](#)

Exam questions should vary in format and information presented to engage students' critical thinking skills, not just their base knowledge of the subject matter. This article explores which types of questions are the most thought-provoking.

- [Higher Order Thinking: Bloom's Taxonomy](#)

Bloom's Taxonomy is a widely used method for writing questions, but it can also be applied to answering them. This article identifies study strategies within each of the six thinking categories.

- [Using Assignment Choice to Promote Course Relevancy](#)

Focusing on microbiology, this article examines the importance of a student's interest in the subject matter for their success. Learn how allowing students to choose their own assignments benefits them and the instructor.

- [Writing Multiple Choice Questions for Higher Order Thinking](#)

This article includes different question types and examples to engage all students' critical thinking skills on exams and assignments.