

AI in Education

A Review of AI and Its Usefulness for Instructors and Students



PennState

College of Health and
Human Development

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Agenda

- AI Foundations
- What is ChatGPT?
- ChatGPT Group Activity and Reflection
- Benefits of AI
- Faculty Spotlight: Case Study Application
- Q&A and Shared Experiences

Overview of AI in Education

- AI applications in education
- AI to enhance teaching and learning experiences, improve student outcomes, and support personalized education

What is ChatGPT...Who is ChatGPT?

ChatGPT is an artificial intelligence created by OpenAI that provides answers to questions in the form of a chat.

Users can ask questions and provide feedback in a conversational format.

<https://chat.openai.com/>

Course Development Activity

In groups, you will select a course (fictional or one you teach) and create the following using ChatGPT:

- Course Overview
- Course Objectives
- 15-week schedule implementation

Select a group leader to share their screen and type the prompts into ChatGPT. Remember to provide feedback for revision!

Course Development Activity Prompts

Start by asking ChatGPT, “please write _____ for a _____ course:

- Course Overview
- Course Objectives
- 15-week schedule

Tip: For each response from ChatGPT, you should:

- Read the response and analyze for accuracy and any missing information.
- Provide feedback to ChatGPT for revision. Reread new response and either continue providing feedback or stop and move on.

Activity Reflection

Benefits of Using AI for Teaching and Learning

- Saves time
- Provides a starting point
- Teaches evaluation and critical thinking
- Allows students to focus on more advanced skills

Case Study and Application: Graide



Benefits of AI in Education

- Personalized learning
- Adaptive assessments
- Intelligent tutoring systems
- Efficient administrative tasks
- Data-driven insights for educators

Ethical Considerations

- Privacy concerns
- Data security
- Algorithmic bias
- System transparency and accountable
- AI system accountability
- Fairness and inclusivity in AI-powered educational tools

Challenges and Limitations

- Digital divide
- Teacher training
- Cost implications
- Need for continuous monitoring and evaluation of AI systems' effectiveness

Future Trends and Possibilities

- VR
- AR/WebAR
- Adaptive learning platforms
- Intelligent learning analytics

Best Practices and Recommendations

- AI tool-selection guidelines
- Effective implementation strategies
- Data privacy considerations
- Collaboration between teachers and AI systems facilitation

HHD Faculty Resource

Be sure to check out our resource:

[Tips for Faculty on Academic Integrity for Artificial Intelligence](#)

Tips for Faculty on Academic Integrity for Artificial Intelligence
Penn State College of Health and Human Development

Artificial Intelligence (AI) refers to techniques used by computers and machines to gather, synthesize, and communicate information through human-like responses.

This guide provides tips for how to address AI in the college classroom.

Familiarize Yourself with the Tools
Review the [AI Technologies](#) document.
Read about it on LinkedIn, Twitter, and Higher Education publications to see what others are saying about it.

Identify the Impact on Your Course
Does AI affect teaching or learning in your course?
Depending on instruction delivery, classroom activities, and assessments, AI may or may not impact a specific course.

Identify the Impact on Teaching
How does AI align with course goals?
Can AI enhance teaching strategies?
How will AI change content delivery?

Identify the Impact on Learning
How do students feel about AI?
Can it be used as a scaffolding tool?
Does it limit or enhance content skills?

Communicate Clear Expectations
No matter what you decide in regards to AI, make sure you have a plan and be up front with students about the use of AI in your course.

- Include a statement in your syllabus about AI.
- Offer AI literature and resources.
- Provide academic integrity review and training.

Plan for AI in the Classroom
Artificial Intelligence is not going away and students will have access to more of these types of technologies. Planning is key.
Faculty can choose to use strategies to **detect**, **prevent**, or **integrate** AI use in the classroom.

Detect the Use of AI
Explore detection technologies.
Incorporate plagiarism tools like Turnitin.
Analyze text for AI using Packback Labs.

Prevent the Use of AI
Require references to class materials and discussions.
Develop authentic assessments requiring real-world and personal experiences.

Integrate the Use of AI
Use Chat GPT for class debates.
Assign AI-created case studies.
Use AI to write first drafts of essays.

References
For additional strategies and a full list of the resources used to gather information, check out [Tips for Faculty on AI\(AI\)](#) our team created.

For additional help with AI, reach out to an Instructional Designer from HHD Outreach for a one-on-one consultation:
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Thank You

Questions?





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