



AI: Integrity, Ethics and the Common Good

Dr. Janet Foor, Wilson College



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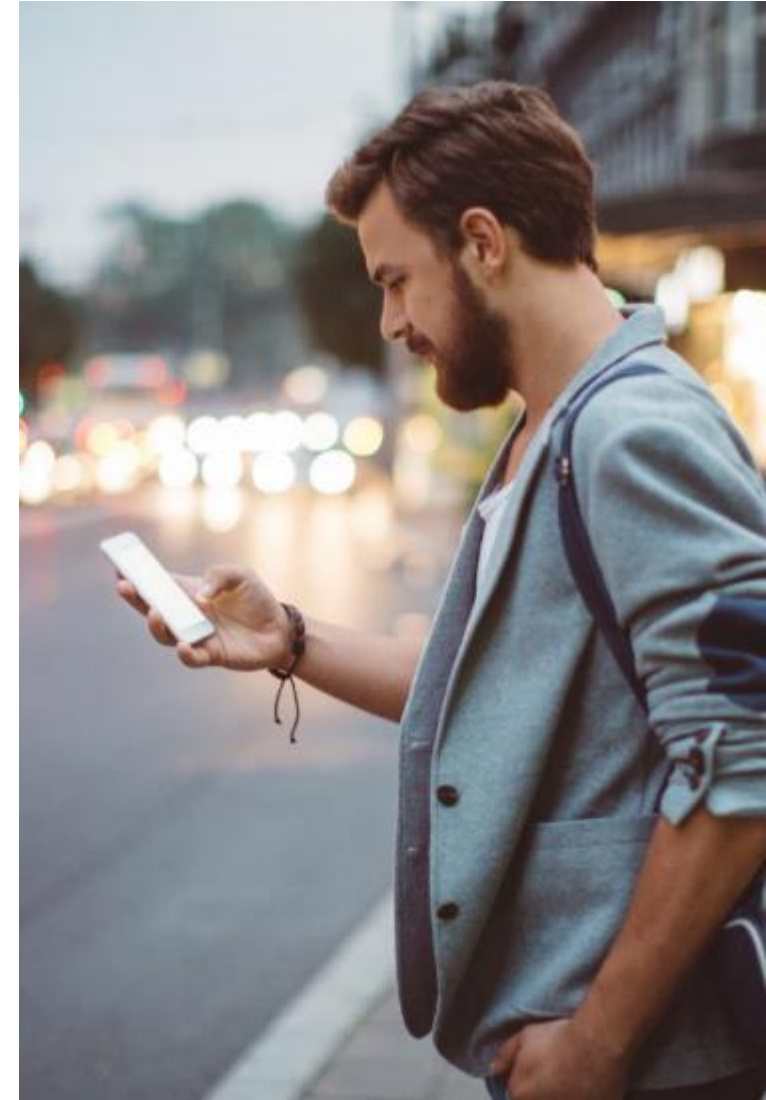
Assistant Professor of Special Education

- **Teach general and special education courses to pre-service and practicing regular and special education teachers at Wilson College, Chambersburg, Pennsylvania.**



Agenda

- ☐ **Introduction: Overview and AI Ethics**
- ☐ **Student Use of AI at Wilson College, Tools and Examples**
- ☐ **Faculty Use of AI at Wilson College, Adoption, Tools and Feedback**
- ☐ **Best Practices for AI Usage**
- ☐ **Detecting AI usage**
- ☐ **Ethical Considerations**



Overview of AI Usage



A report by the education technology firm Anthology, **38% of students** in the U.S. reported using AI tools at least monthly.

43% of college students in the U.S. utilize AI tools like ChatGPT for studying.

90% of those who study with ChatGPT find it more effective than traditional tutoring.

22% of faculty members in U.S. use AI tools on a regular basis.

91% of faculty use generative AI at least monthly for course content purposes





Student Use of AI at Wilson College

- 1. I am an undergraduate student at Wilson College YES_____ NO_____
- 2. If you are an undergraduate student, what year are you currently enrolled (i.e., 1st year, 2nd year)?
- 3. I am a graduate student at Wilson College YES_____ NO_____

Likert Scale:

1-strongly disagree, 2-disagree, 3-slightly disagree, 4-slightly agree, 5-agree, 6-strongly agree

- 1. As a student, I am familiar with different Artificial Intelligence (AI) tools, such as Chat GPT, Character AI, QuillBot etc.?
- 2. In the past, I have utilized AI tools for the completion of my assignments.
- 3. I use AI tools to help me brainstorm ideas as I begin an assignment.
- 4. I use AI to help me with understanding research required for assignments.
- 5. I use AI tools to help me with the formatting of citations.
- 6. I have used text generated by AI tools to submit as part of my required assignments.
- 7. I trust the content of the text generated by AI tools.
- 8. AI tools improves my writing skills.
- 9. The text generated by AI tools is representative of my own writing “voice” and what I am trying to convey.
- 10. I am comfortable speaking with my professors about my assignment requirements and the use of AI tools.
- 11. I wish that professors would present and utilize AI tools in their courses.

Open Ended Questions:

- 1. Please list any challenges that you, as a student, are currently facing in terms of writing requirements and assignment completion.**
- 2. Please explain in detail how your teachers/professors can assist you with writing requirements and assignment completion.**
- 3. Please describe how your teachers/professors might assist you with the use of AI tools or incorporate it more into their classes.**

5. Question

Strongly Disagree Disagree Slightly Disagree Slightly Agree Agree Strongly Agree

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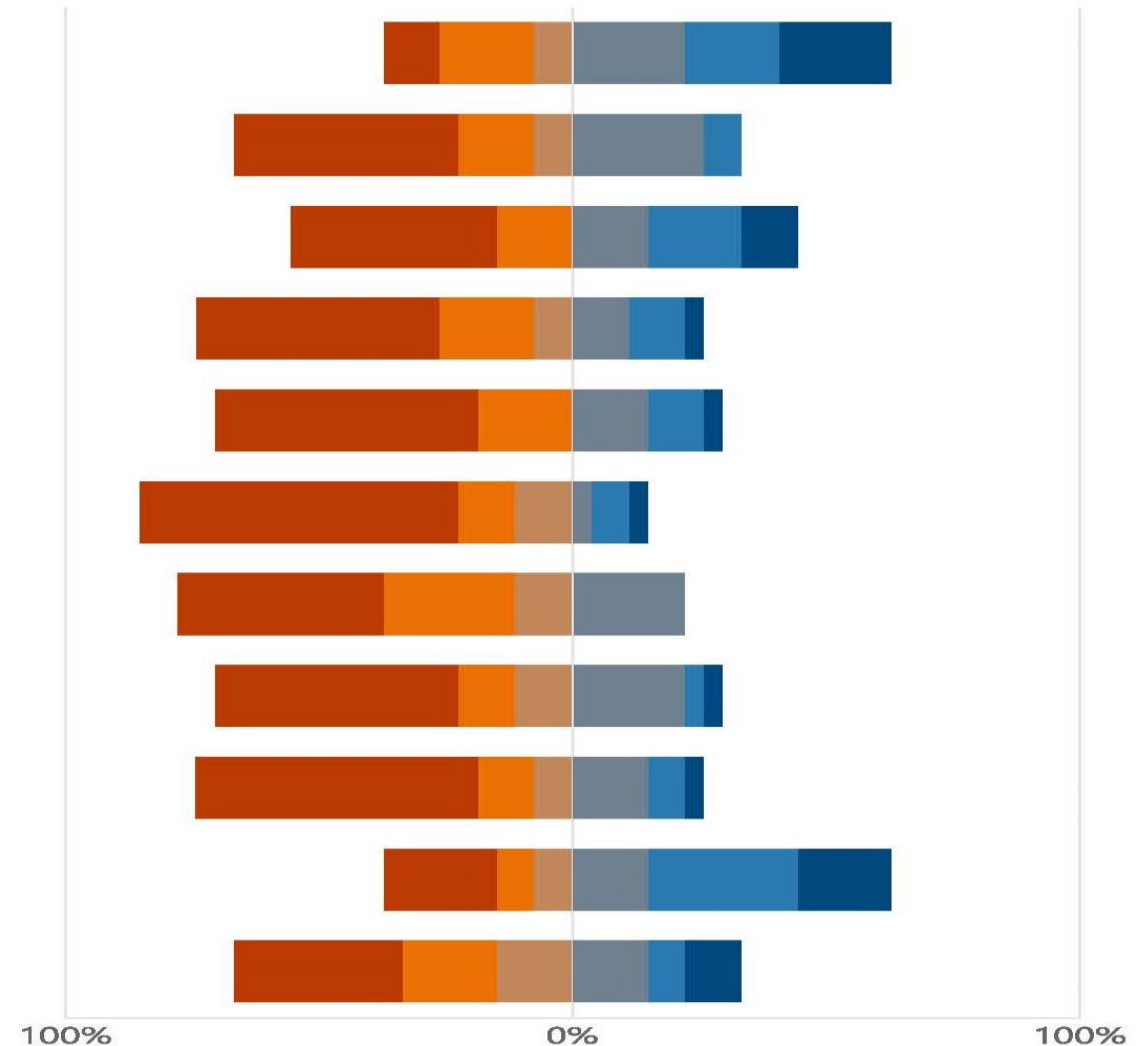
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AI tools improves my writing skills.

The text generated by AI tools is representative of my own writing "voice"...

I am comfortable speaking with my professors about my assignment...

I wish that professors would present and utilize AI tools in their courses.



Wilson Student Responses

Open-ended questions/responses about AI usage and suggestions to incorporate it into coursework/classwork



"I don't even know the answer. AI is still a mystery to me and often gives me wrong information."



"Please don't, it's weird and I prefer to use my own brain and not a machine that simply amalgamates data from the internet that may or may not be accurate or credible and is not unbiased."



"I honestly have no idea I do not know much about AI at all."



"I don't think AI should be brought into the classroom. It teaches us to not work as hard or use our brain. "

Wilson Student Responses

Open-ended questions/responses about AI usage and suggestions to incorporate it into coursework/classwork



"I would also like more education on AI tools aimed at certain demographics, such as teachers. "



"I think teachers/professors should embrace students' use of AI."



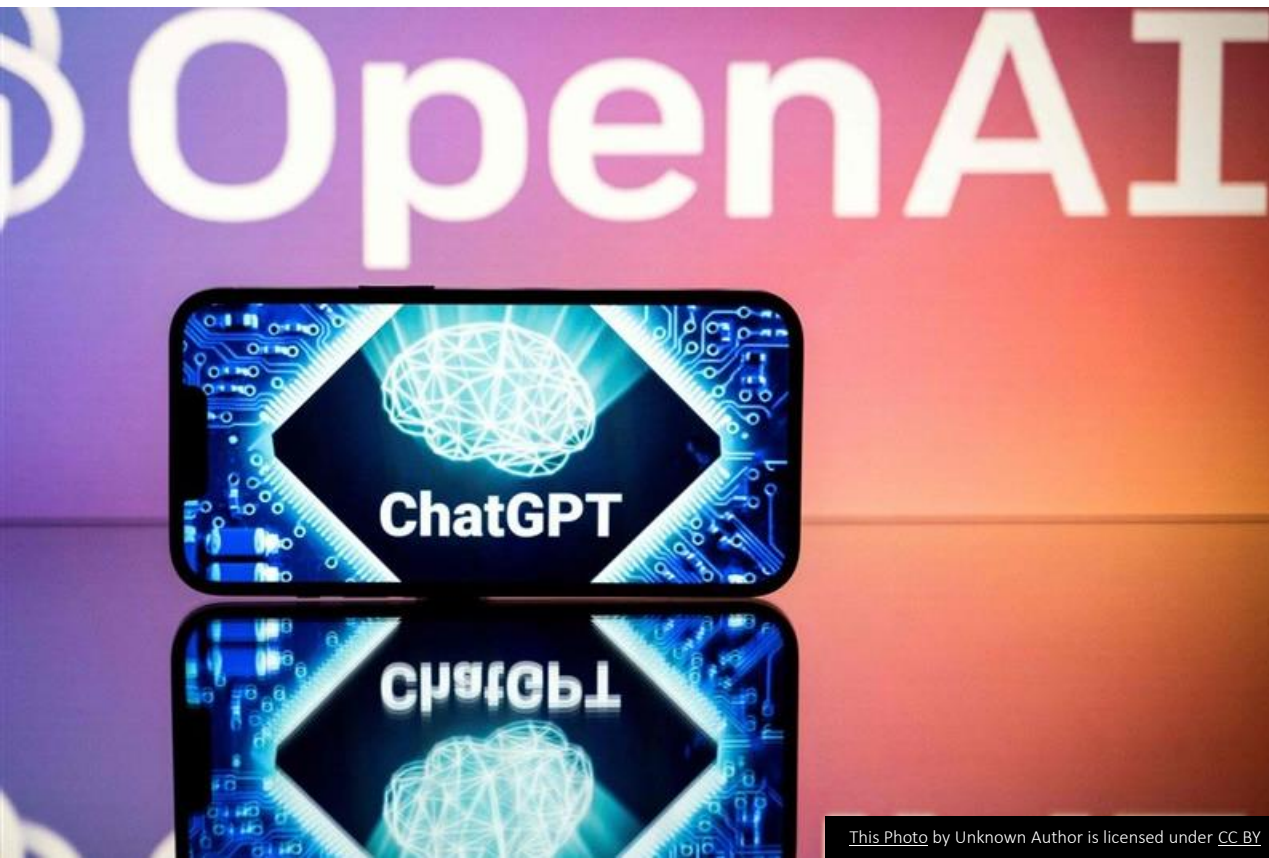
"I would like to know more about how it can help me in my classrooms."



"We need to accept that AI is a valuable tool and is the future. The future is now"

Most Commonly Used AI Tools: College Students

1. **Grammarly:** Widely used for grammar and editing.
2. **ChatGPT:** Versatile AI tool for content generation and problem-solving.
3. **Gemini:** Valuable for research purposes.
4. **Natural Readers:** Converts text to speech.
5. **CopyAI:** Useful for writing tasks.
6. **Quillbot:** Handy for paraphrasing.
7. **Upword:** Provides summarization capabilities.
8. **Mubert:** Transforms text into music.
9. **ChatPDF:** Analyzes PDFs and answers questions.
10. **Doctrina:** Offers AI learning with access to notes and quizzes.





Real-Life Example of AI Use

Chat GPT

Gemini

- [ChatGPT](#)
- [Gemini \(google.com\)](#)



As a faculty member, I am familiar with different Artificial Intelligence (AI) tools, such as Chat GPT,...

I have utilized AI tools to assist me with the development of my coursework.

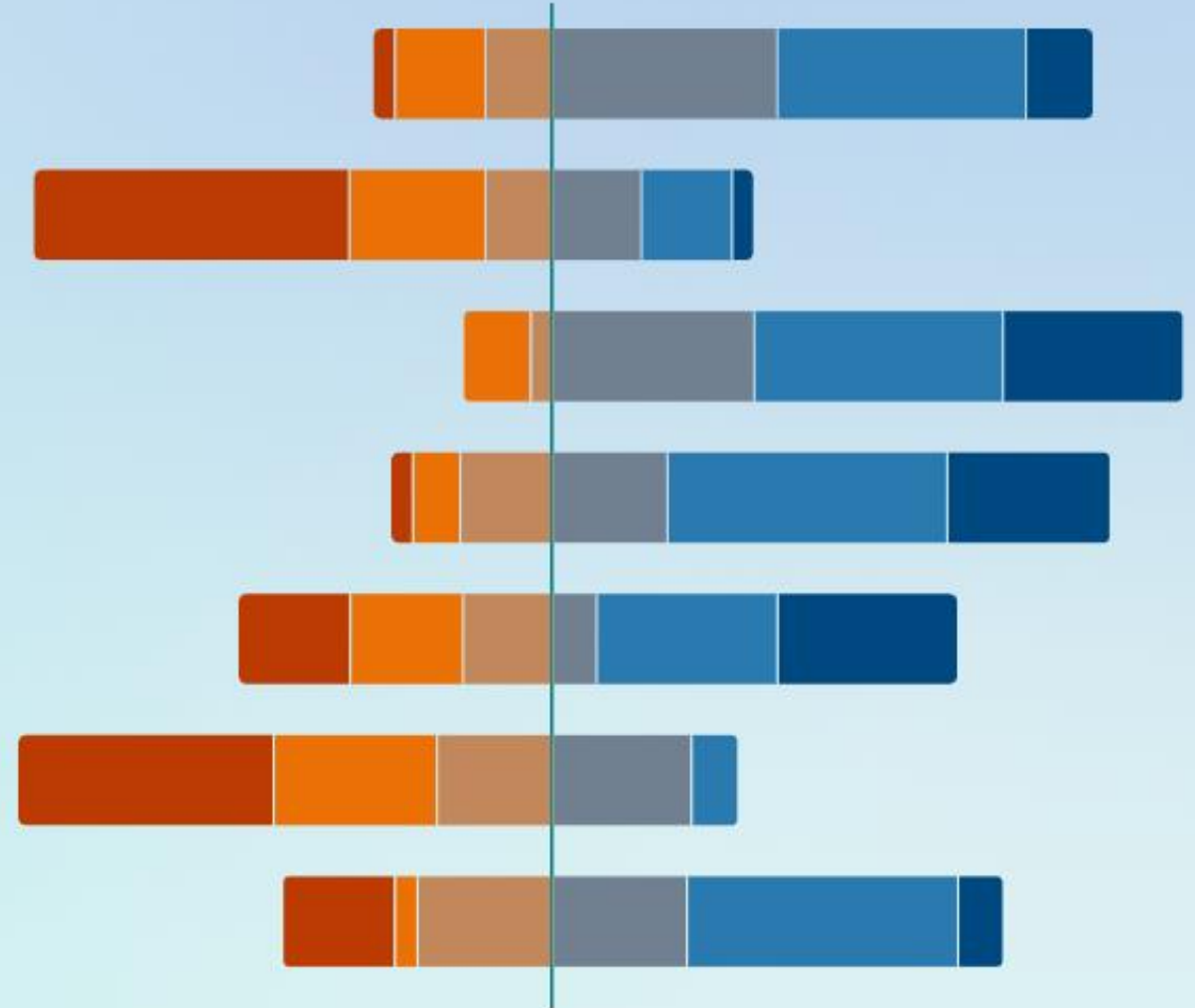
I am aware that students in my courses are using AI tools.

I have had conversations with my students about the use of AI tools within their courses.

I have developed my own in-class policy regarding the use of AI tools for my course(s).

I trust the content of AI tools.

I believe that the use of AI tools have benefits for students and faculty.



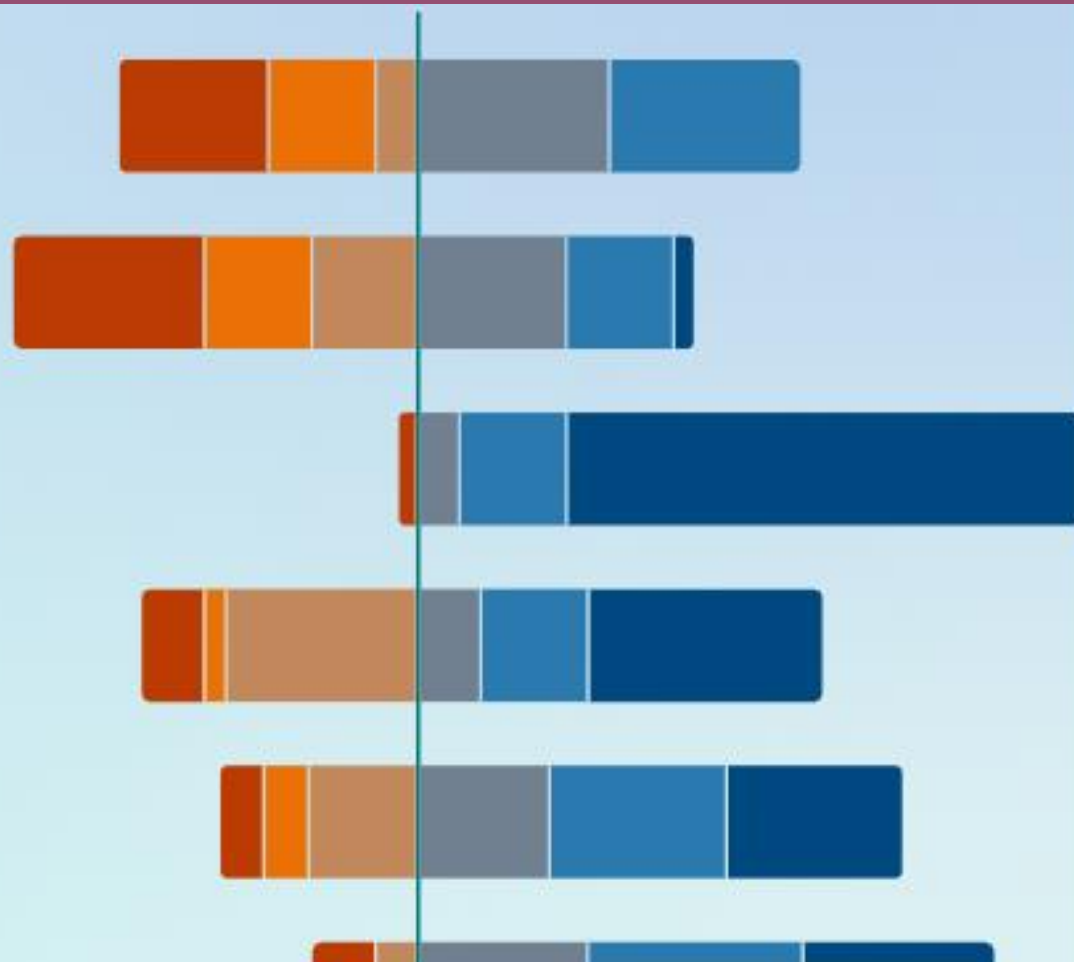
AI tools can improve the writing and organization skills of my students.

AI tools help my students to think more creatively and critically.

I believe that AI tools can be used in an unethical way.

I believe that some of my students may have submitted classwork that was not...

I have addressed the improper use of AI tools with my students.



I would like to have more training and professional development regarding th...

The Wilson academic principle and policy needs to be revised to reflect the use of...



Wilson Faculty Responses

Open-ended
questions/responses about
AI usage and suggestions
to incorporate it into
coursework/classwork



"Students are submitting work that is incoherent gibberish and fail to recognize this or they simply don't care....disturbing either way!"



"The challenge is to train students to use AI as a tool but it is difficult (impossible?) to monitor for inappropriate use of AI remotely. It is a challenge even within the classroom."



"Without a policy in place, it is difficult to enforce flagrant misses of AI. I also think our faculty needs additional professional development in this area. "



"I do not discourage the use of AI when it comes to visuals and AI tools embedded within certain platforms. The only challenge would be for written material and I request that they cite from AI if they are using it."

Wilson Faculty Responses

Open-ended questions/responses about AI usage and suggestions to incorporate it into coursework/classwork



"Saves time, add insight, and provide additional resources"



"AI offers another creative outlet for my students with Educational Technology tools, allowing for them to explore avenues they may not have been able to before."



"For group projects, it can be useful to show how a different outcome might be generated by an AI platform. If done properly, this can help with critical thinking skills, while showing AI can sometimes have useful input to certain assignments."



"PD should concentrate how professors can use AI tools effectively in their classrooms during the in-person instruction and also during the online courses."



Best Practices for AI Usage:

Incorporating AI into Curriculum Design

- Assessment & Instructional Design
- Tutoring
- Predictive Analysis
- Student Management (Grading & Feedback)
- Personalized Learning
- Content Creation



Faculty Training and Support

Provide resources and workshops to familiarize faculty with AI tools and best practices.

Consider online tutorials, hands-on training sessions, or inviting AI experts to your campus



Challenges in Detecting AI Use

Similarity to Human Style and High Volume

- Modern AI-generated content is highly coherent and sophisticated, making it difficult to distinguish from human-written text.
- Educators may not be familiar with AI tools and their capabilities.

Sophisticated AI Writing and Lack of Familiarity

- AI can mimic the writing style of humans, further complicating detection.
- The sheer volume of submissions makes manual checking impractical.

Detecting AI in Student Work

Trust Your Instincts: While reading student work, use common sense. AI-generated writing often lacks a distinct human touch. Look for changes in tone, style, or quality compared to the student's previous submissions

Analyze Writing Patterns:

1. **Inconsistencies:** AI-generated content may exhibit inconsistent tones, vocabulary, sentence structures, or pacing.
2. **Lack of Personal Experiences:** Look for generalized examples or a lack of personal anecdotes, which could indicate AI involvement.

Check for Unusual Phrases: Pay attention to unusual or complete phrases that a student wouldn't typically use. These might be telltale signs of AI-derived materials

Compare to Prior Work: Compare the submitted work to the student's previous assignments. Note significant changes in tone, style, or writing patterns

The Importance of AI and Ethics

Maintaining Accountability and Transparency:

AI systems can make decisions that significantly impact individuals and society. Understanding AI ethics is essential for creating mechanisms that hold AI systems and their creators accountable, ensuring transparency in how decisions are made.

Preventing Misuse and Harm: Without ethical guidelines, AI technologies can be misused in ways that cause harm, whether intentionally or unintentionally. Ethics in AI provide a framework for preventing the development and deployment of harmful applications.

Promoting Trust and Social Acceptance: For AI to be widely accepted and integrated into society, people need to trust that these systems are designed and used ethically. A strong ethical foundation helps in building this trust, encouraging the responsible use of AI technologies.



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Ethical Use of AI in Higher Ed

Areas of Consideration

Authenticity: The use of AI raises questions about academic integrity. While AI can enhance efficiency, institutions must balance it with human authenticity

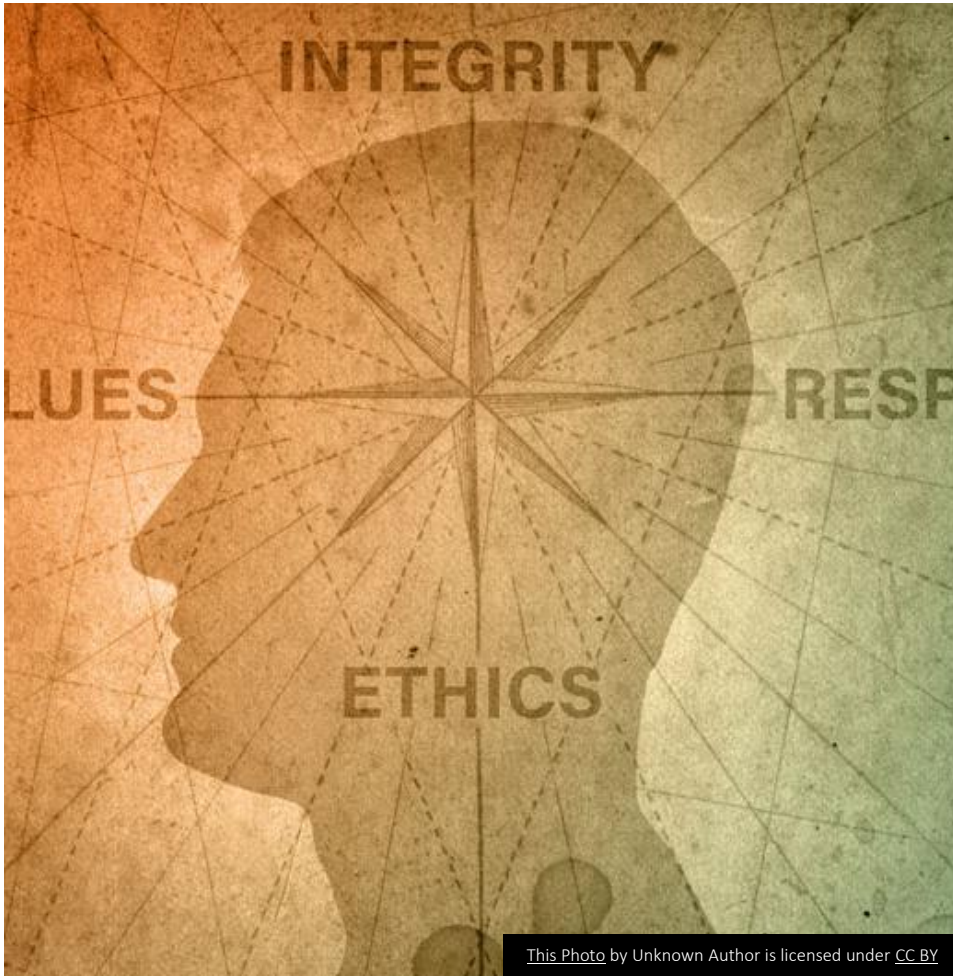
Accountability: Users (including educators and administrators) should take full responsibility for AI outputs. Transparency and clear guidelines are essential to prevent unintended consequences.

Access: Fairness in AI technologies' accessibility and availability is vital. Institutions should consider how AI tools impact different student groups and ensure equitable access.

Awareness: Promoting AI literacy and ethical understanding is essential. Educating stakeholders about AI's capabilities, limitations, and potential biases fosters responsible adoption



Instruction in AI Ethics



Informed Usage:

Helps students understand the ethical implications of AI technology and promotes responsible use.

Critical Thinking:

Encourages critical analysis of AI's impact on society, privacy, and employment.

Preventing Misuse:

Educates students on the potential harms of AI misuse and ways to mitigate them.

Future Preparedness: Prepares students for ethical decision-making in their professional lives, ensuring they can address AI-related ethical dilemmas effectively.

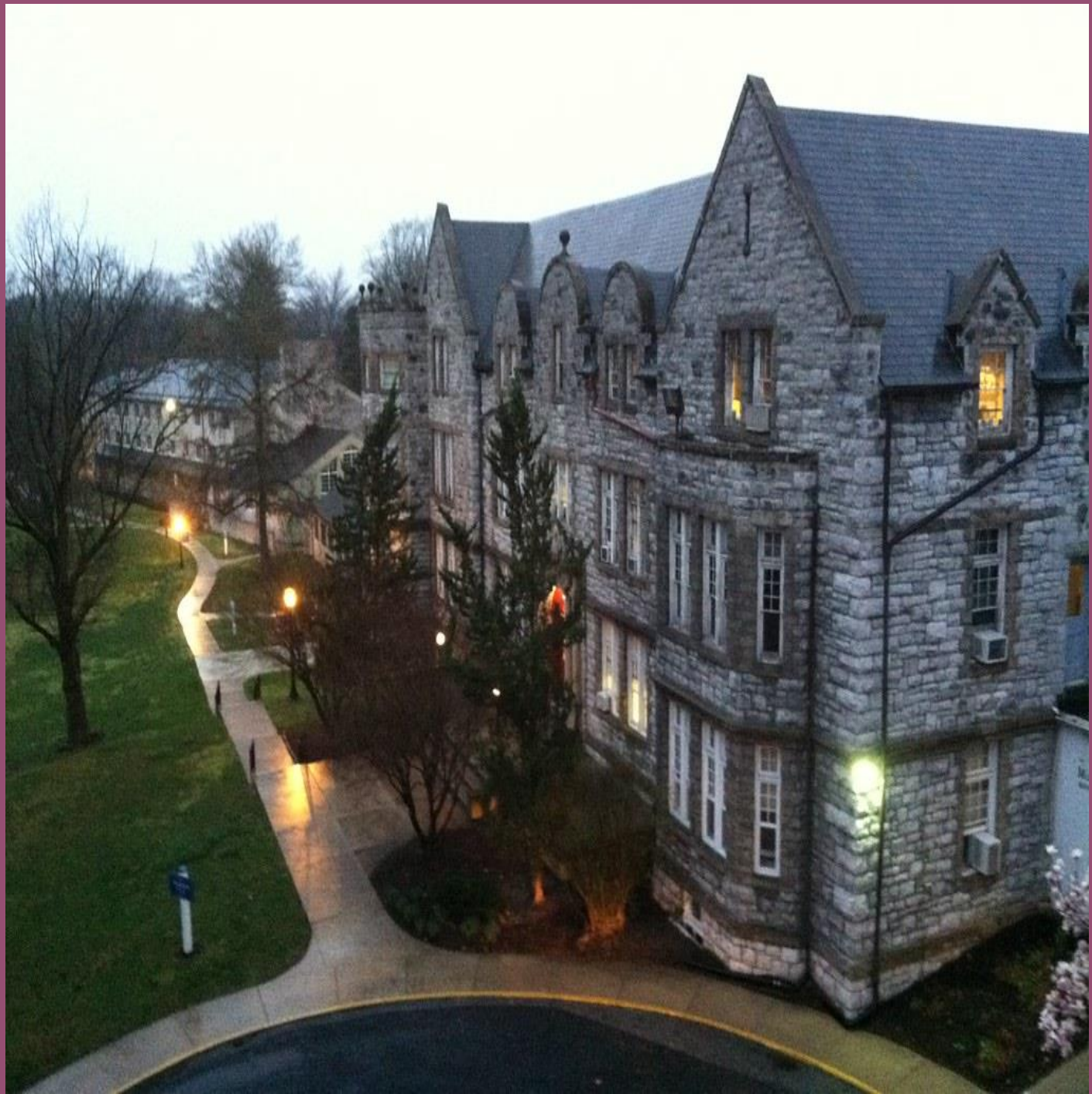
Questions?





Thank you

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