

# AI Detectors: Friend or Foe?

**Resource  
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[https://bit.ly/TII\\_2024](https://bit.ly/TII_2024)



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# AGENDA

- Generative AI (Gen AI) Detection
  - Disclaimer
  - Getting Started
  - Turnitin's AI Writing Indicator
  - Results & Working w/ Students
- Using Gen AI in Courses

The background features a complex geometric composition. On the left, a large white circle is partially obscured by a black square and a grey square. Below this, a series of concentric black circles is visible. The right side of the image is dominated by a large, dark red triangle pointing downwards, which overlaps with a grey square and a black square. A white circle is positioned at the bottom right corner of the black square. The overall aesthetic is modern and abstract, using a limited color palette of red, black, grey, and white.

# **Generative AI Detection**



## Turnitin's AI Writing Indicator Disclaimer

“Our AI writing assessment is designed to help educators identify text that *might* be prepared by a generative AI tool. Our AI writing assessment *may not always be accurate...*

so it should *not be used as the sole basis for adverse actions against a student*. It takes further scrutiny and human judgment in conjunction with an organization's application of its specific academic policies to determine whether any academic misconduct has occurred.”





# Getting Started

- Assignment Review
  - Self-test
  - Turnitin AI misuse rubric
  - Turnitin AI misuse checklist

## Communication

- Syllabus
- Assignment directions
- Engage and inform students

## Documentation

- Diagnostic writing samples
- Break down the writing process
- Use online document creation

## Paper Review

- Faculty experience
- Turnitin AI Writing Indicator
- Turnitin Similarity report

# Turnitin's Approach

## What is the accuracy of Turnitin's AI writing indicator?

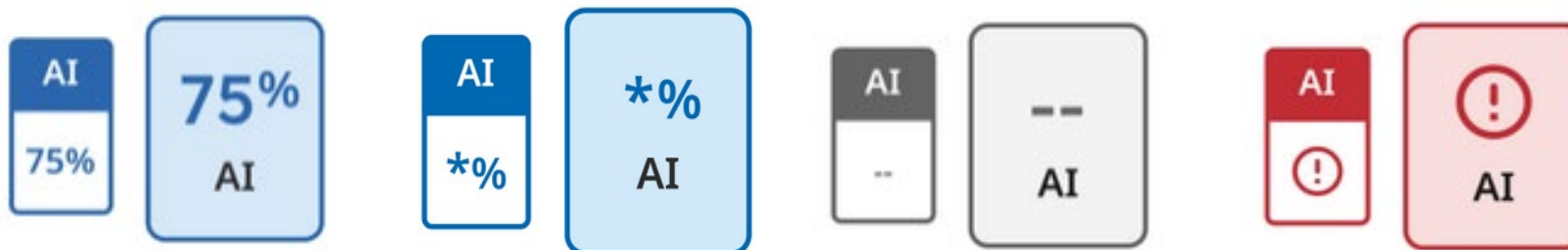
“We strive to maximize the effectiveness of our detector while keeping our false positive rate - incorrectly identifying fully human-written text as AI-generated - ***under 1% for documents with over 20% of AI writing***. In other words, ***we might flag a human-written document as AI-written for one out of every 100 fully-human written documents***.

...In order to maintain this low rate of 1% for false positives, there is a chance that ***we might miss 15% of AI written text in a document***. We're comfortable with that since we do not want to incorrectly highlight human-written text as AI-written. For example, if we identify that 50% of a document is likely written by an AI tool, it could contain as much as 65% AI writing.”



# Turnitin AI Writing Indicator

- Located within Turnitin Feedback Studio
- Automatically enabled with Turnitin & cannot be disabled
- Score is not visible to students
- Instructors can view online or download as a standalone report
- Four statuses:
  - Blue = Submission processed successfully
  - Blue w/ Asterisk = AI detection below 20%
  - Gray = Submission did not meet file requirements
  - Red = Submission failed, technical error





# File Requirements

- Accepted file types:
  - .docx
  - .pdf
  - .txt
  - .rtf
- File must:
  - Be written in English
  - Be less than 100 MB
  - Not exceed 30,000 words
  - Have at least 300 words of prose text in a long-form writing format\*



# Long-Form Prose Text\*

## Good

- Individual sentences contained in paragraphs
- Essay, a dissertation, an article, etc.

## Bad

- Non-prose writing
- Poetry, scripts, or code
- Bullet points, tables, or annotated bibliographies

Percentage calculated only on qualifying text

“A document containing several different writing types would result in a disparity between the percentage and the highlights.”





**DEMONSTRATION**



# Results & Working w/ Students

## Gather

- Faculty review notes
- Comparison to diagnostic writing samples
- Turnitin AI writing indicator
- Turnitin Similarity report

## Communicate with the Student

- Assess paper and topic knowledge
- Holization Method
- Documentation of the writing process

## Follow through

- APSU Policies
- Certainty vs uncertainty

# Using Gen AI in Courses

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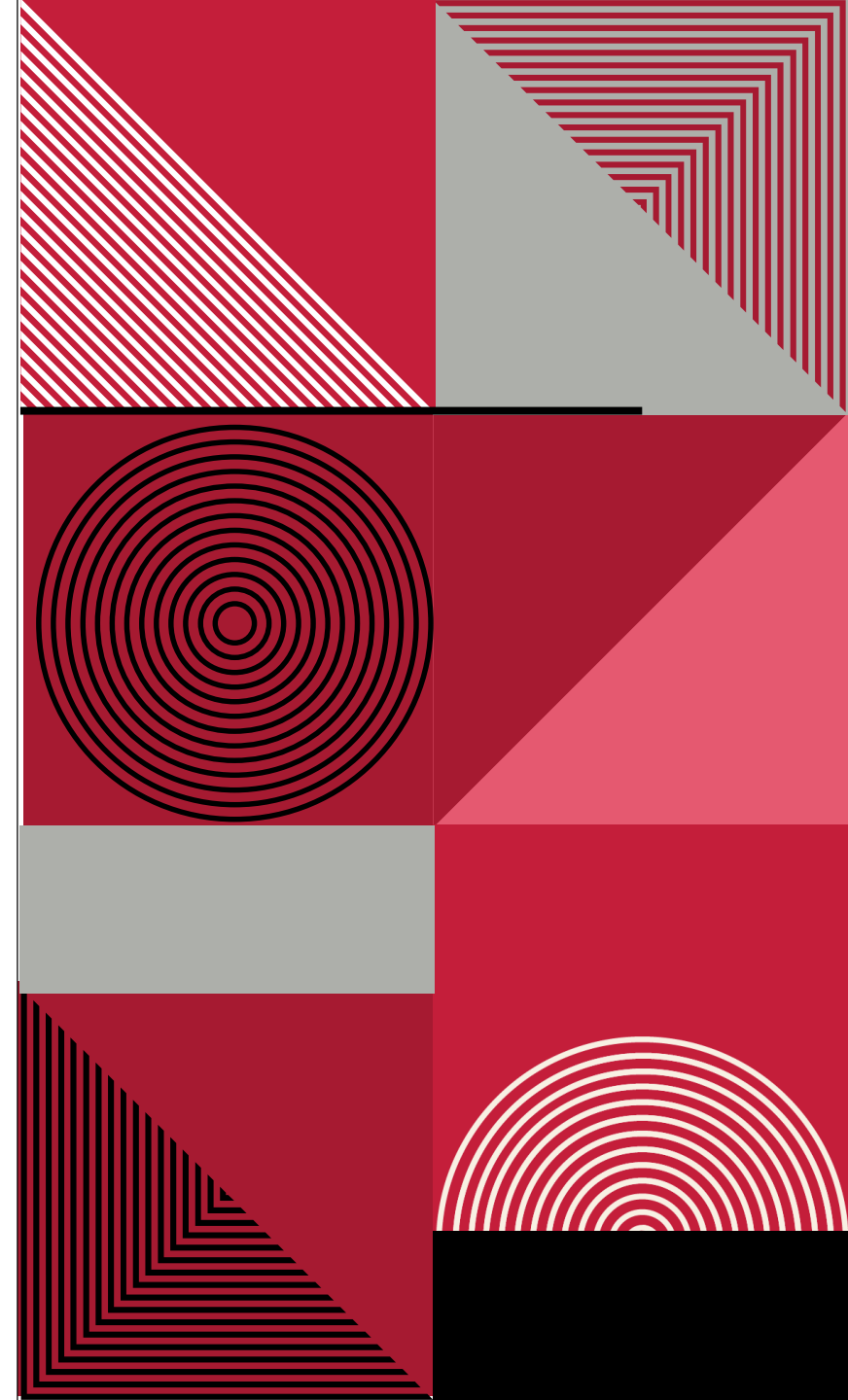


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# Overview

There are many ways you can alter your course for AI usage.

- Adjust your course requirements/assignments
- Check your assignments
- Incorporate usage in in assignments
- AI coach/teaching assistant
- Course design





# ADJUST AND ADAPT

## Adjust Assignments

- Discussion boards – change response type
- Experience based assignments
- How else can you assess?

## Check and Adapt

- Run prompts, questions in AI tool
- Check results for familiarity
- Ask for suggestions
- Personal responses

***DO NOT INCLUDE PII IN TOOLS***

# INCORPORATION

AI usage in assignments

- Idea development
- Debate AI on a topic
- Critique AI response

*Consider what kind of access a student may have*

*Have students submit or cite AI usage*







# AI ASSISTANCE

## Coaching/Teaching Assistance

- Role Play – example
- Templates, rubrics, weekly emails
- Analysis of student work-struggles and successes

## Course Design

- Syllabus clarification/corrections
- Assignment/grading clarifications
- Suggestions for engagement/presentation
- Different assignment types for better assessment

***DO NOT INCLUDE PII IN TOOLS***

# BE EXPLICIT

Some things to consider:

- Develop AI policy for course
- Teach acceptable use
- Define tools
- Give reasoning
- Prompt engineering



# EXPLORE

Regardless of your personal feelings/beliefs, it is important to know the tools.

Some things to consider:

- Tools are being incorporated everywhere
- How they work
- Understand student usage
- Recognize workplace tool – skills will be needed
- Explore the tools and follow groups for information





# WEBINARS

**Mon, Aug 19th at 2:00pm**

Unleashing the Power of Honorlock Online Proctoring

**Tue, Aug 20th at 10:00am**

Academic Integrity in the Classroom:  
Similarity & AI Indication in the Formative Space



Registration links on Faculty Conference and Annual  
Meeting schedule

THANK YOU

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## **Distance Education**

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