

## Session Outline

## Overview of Writing and Al

## **Examples Across Disciplines from UHD Faculty**

- ODr. Theresa Case
- ODr. Giuliana Lund
- ODr. Eszter Trufan

**Activity (Roundtable Discussion)** 

**Conclusion and Resources** 



### Introductions and Orientation

#### **Our Team**

**Dr. Gregory Dement**Executive Director, CTLE

Fabiola Vacatoledo Instructional Designer, CTLE

**Dr. Yolany Lagos-Banks**Instructional Designer, CTLE

Courtney Banks
Graphic Designer, CTLE

## This is a Discussion-Based Workshop:

We will hear examples of writing assignments from faculty across disciplines:

- Or. Case History
- Or. Lund English
- Dr. Trufan Chemistry
- We will end with a time for Q/A and discussion.
- During the presentation, please record your questions for the discussion.

#### At Your Tables:

Notecards for writing down your comments and questions.

## The Problem and a Solution

#### **Problem:**

When LLM/Al bots do the work of writing for students, learning is diminished.

#### Solution:

Ensure that students engage in the writing processes that produce the desire learning outcomes.

## The Pedagogical Solution

- Rethink and Refine Learning Outcomes (Why are students being asked to write something?)
- Value process over product
- Help students understand the value of human insight.

Writing is a way of processing, of understanding, of ... growing. ... writing is a tool of learning. ... Writing is thinking (Norell, 2023)

- Be transparent about the value of writing for learning and growth
- Encourage metacognition

What do humans and Al uniquely bring to the writing process?

#### **AI Capabilities**

- Efficiency and Speed
- Consistency and Accuracy
- Data Handling
- Initial Drafting

#### **Human Skills**

- Creativity and Originality
- Critical Thinking and Analysis
- Emotional Intelligence
- Ethical and Contextual Understanding

#### Growth

- Reflective Practices
- Personal Growth

"Literacy increasingly means and includes interacting with and critically evaluating AI." - Joel Abrams, <u>The Conversation Newsletter</u>

		Al Capabilities	Human Skills	
Al Capabilities	Efficiency and Speed	Generates text quickly, useful for drafting and editing large volumes of content.	Takes time but can produce thoughtful and nuanced writing.	
	Consistency and Accuracy	Maintains consistent tone, style, and grammatical accuracy.	Can adapt tone and style to different contexts and audiences.	
	Data Handling	Processes and summarizes vast amounts of information, providing factual content.	Analyzes and interprets data with critical thinking and contextual understanding.	
	Initial Drafting	Helps generate initial drafts for refinement.	Creates original drafts with unique perspectives and creativity.	
Human Skills	Creativity and Originality	Limited to patterns and data, may lack true originality.	Brings unique perspectives, innovative ideas, and creative thinking.	
	Critical Thinking and Analysis	Can mimic analytical language but lacks deep understanding.	Deeply analyzes and interprets complex concepts, making nuanced connections.	
	Emotional Intelligence	Mimics emotional language but lacks genuine emotional experience.	Infuses writing with genuine emotion, empathy, and personal voice.	
	Ethical and Contextual Understanding	Lacks understanding of ethical implications and context.	Understands ethical implications and cultural context, ensuring appropriateness.	
Growth	Reflective Practices	Cannot reflect on its own process or learn from experiences.	Reflects on the writing process, learning from feedback and experiences.	
	Personal Growth	Does not experience personal growth or development.	Develops critical thinking, creativity, and communication skills through writing.	

How can Al enhance the process of writing to learn?

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What can humans do to improve writing that Al does not do well?

#### **Human Skills**

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In what unique ways can humans learn from the process of writing?

#### Growth

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- Personal Growth

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# The Writing Process

Revising

Organization

Editing



## Human vs. Al Tasks in Writing to Learn

	Learning Outcomes	Al Tasks	Student Tasks	Enhancement	Responsible Use
Prewriting	Organize thoughts and plan effectively.	Al can assist with brainstorming ideas and creating mind maps.	Engage in free writing, outlining, and discussing ideas with peers.	Al provides a broad range of ideas and organizational structures.	Use Al to supplement brainstorming, not replace it, maintaining originality.
Researching	Gathering information, evaluating sources, and synthesizing dta relevant to their topic.	Al can help locate credible sources, summarize articles, and provide quick access to information.	Critically evaluate sources, take notes, and integrate research findings.	Al speeds up the research process, allowing focus on critical evaluation.	Verify Al- suggested sources and avoid over- reliance on Al summaries.

## Other Academic Integrity Considerations



#### The Current Problem with Detectors

- Inconsistent and easily misused
- Flag high quality writing
- Does not encourage intrinsic motivation



#### Pedagogical Alternatives

- Be transparent about AI expectations
- Promote writing to learn



#### Other ways to address academic dishonesty concerns:

- Discuss ethical implications specific to your discipline.
- Discuss potential biases.
- Discuss copyright concerns related to AI-generated content.

# Discussion Prep

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# Integrate Al in Historian's Craft Research and Writing

Dr. Case



# Incorporating Al in a Humanities Course

Dr. Lund



# Writing with Al in Chemistry

Dr. Trufan



# Activity

Roundtable Discussion



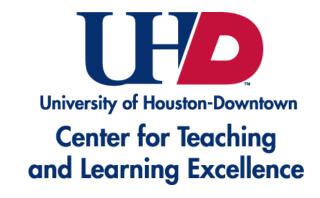
# THANK YOU

## Resource



Generative Al Faculty Guide

bit.ly/uhdgenai



UHD.EDU /CTLE ctle@uhd.edu

**Instructional Design Support** 

Bit.ly/CTLEpedagogy

**Graphic Design & Video Support** 

bit.ly/CTLEdesign