

Design Smarter, Not Harder: The AI Advantage



**SOUTH TEXAS
COLLEGE**

Agenda

- **Welcome and Introduction:** (5 min)
 - Speakers
 - Our Use Case
- **Key Concepts and Examples** (5 min)
- **Initiating the Conversation** (5 min)
- **Oh, the Possibilities!** (30 min)
- **Q & A/Conclusion** (5 min)

Why have a
conversation?

About Us



Dr. Rachel Sale
Dean of Digital Learning



Dr. Andres Padilla-Oviedo
Instructional Designer



Dr. Juan Ramirez
Education Program Chair and
Faculty

How We Began our AI Journey



Conference Predictions, Summer 2023

Release Notes, September 2023

Early Adopters, Fall 2023

Symposium, February 2024

Auto-Generated

- Modules
- Rubrics
- Discussions
- Assignments
- Journals
- Questions for Assessments
- Question Banks

The screenshot displays a Blackboard course shell for 'AI Practice Shell' (ID: HB-00) at South Texas College. The page features a dark blue header with the college logo and the title 'AI Blackboard Practice Shell'. Below the header, the 'Course Content' area lists three modules: 'Start Here', 'Module 1: Information Technology Fundamentals', and 'Module 2: File Management Techniques'. A 'Course Faculty' sidebar on the right lists instructors Ana Davis and Hector DL Staff. The 'Details & Actions' sidebar includes links for Roster, Progress Tracking, Course Image, Course is open, Attendance, Books & Tools, and Question Banks.

So...what was the motivation from content knowledge to action?

"We need to make sure dual credit math courses are an OER section"

What do our results show?

- Offers ready-made content ideas and structure, so instructors aren't starting from scratch.
- Quickly generates modules, discussions, assignments, and assessments aligned with course goals.

MATH-1414 College Algebra OER SU24

Auto-Generate Questions

Description
Enter a short description, learning objectives, or topic...

Selected course items will be used to help improve suggestions.

Question Type
Inspire me!

Complexity
Low High

Number of questions
1 10

Advanced options

Question 1
 This is auto-generated content and needs to be checked for accuracy and bias

Match each complex number with its modular expression:

Prompts	Answers
1. $3 + 4i$	5
2. $1 - 2i$	$\sqrt{5}$
3. $2 + i$	$\sqrt{10}$
4. $7 - 24i$	25
Distractors	6

What do our results show?

- AI Assistant options offer to refine and customize modules
- Aligns content with learning objectives for consistent, standards-based instruction
- Generate personalized content tailored to individual learning styles.

MATH-1414 College Algebra OER SU24

Auto-Generate Discussion

Define the discussion

Description

Enter a description or set of keywords...

Select course items

Selected course items will be used to help improve suggestions.

Desired cognitive level

Apply

Complexity

Low High

Generate discussion title

This is auto-generated content and needs to be checked for accuracy and bias

Exploring Quadratic Functions in Real Life

Share a real-life experience or a mock scenario where you have encountered a situation involving a quadratic function. Describe the scenario in detail, explain how you identified the quadratic function elements, and discuss the implications of understanding such functions in practical situations. Consider including a diagram to visually represent the scenario.

Cognitive level: Apply

Creating Algebraic Connections Through Storytelling

Create a short story that incorporates algebraic concepts such as variables, equations, or functions. Ensure your story reflects a deep understanding of these mathematical principles and conveys them in a creative and engaging manner. You may include a diagram to illustrate a key mathematical concept mentioned in your story.

Cognitive level: Create

Cancel Add

What do our results show?

- Delivers consistent and objective grading through automated rubrics

MATH-1414 College Algebra OER SU24

Generate Rubric

This is auto-generated content and needs to be checked for accuracy and bias

Define rubric

Description

Enter a short description, learning objectives, or topic for this rubric.

Rubric Type

Percentage

Complexity

Low High

Columns

2 5

Rows

2 7

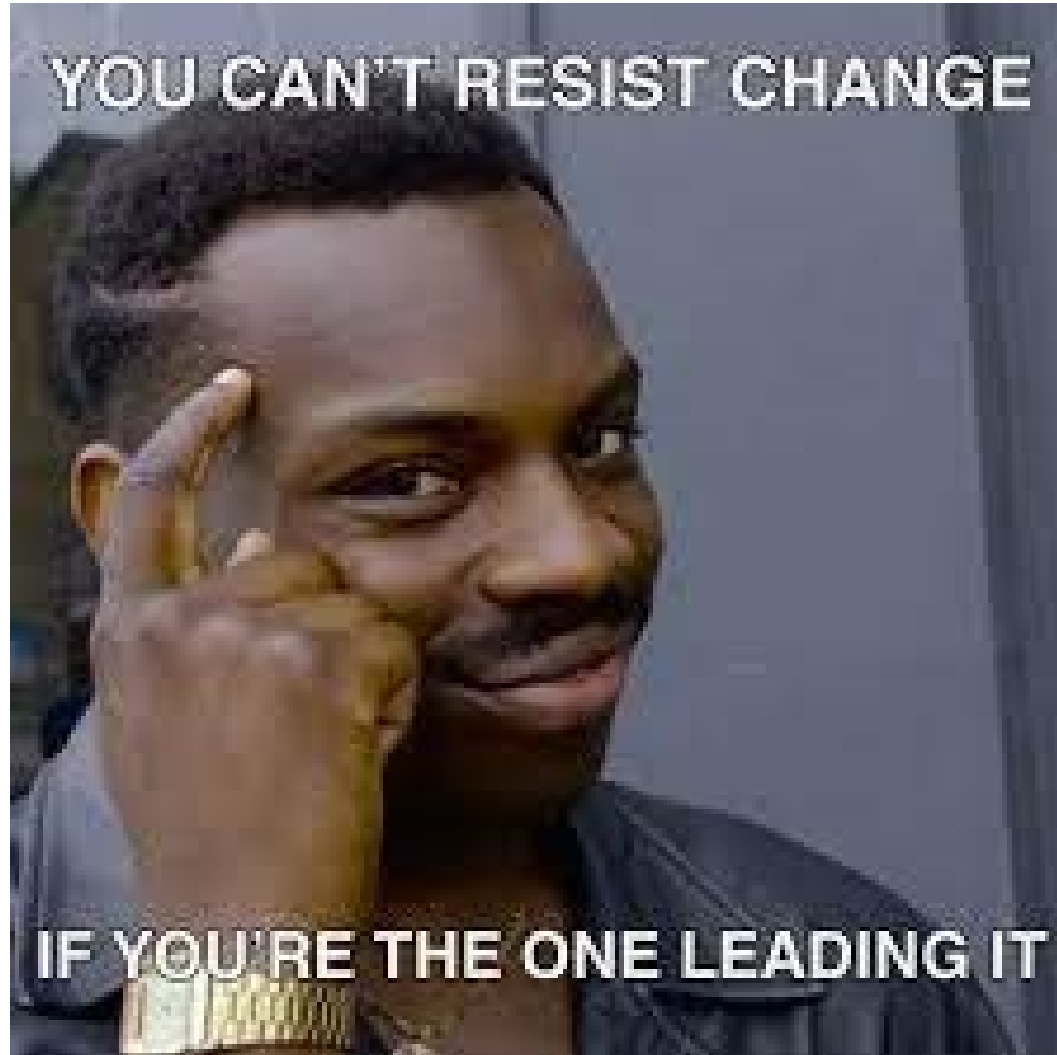
Rubric preview

This can be edited in the existing rubrics panel

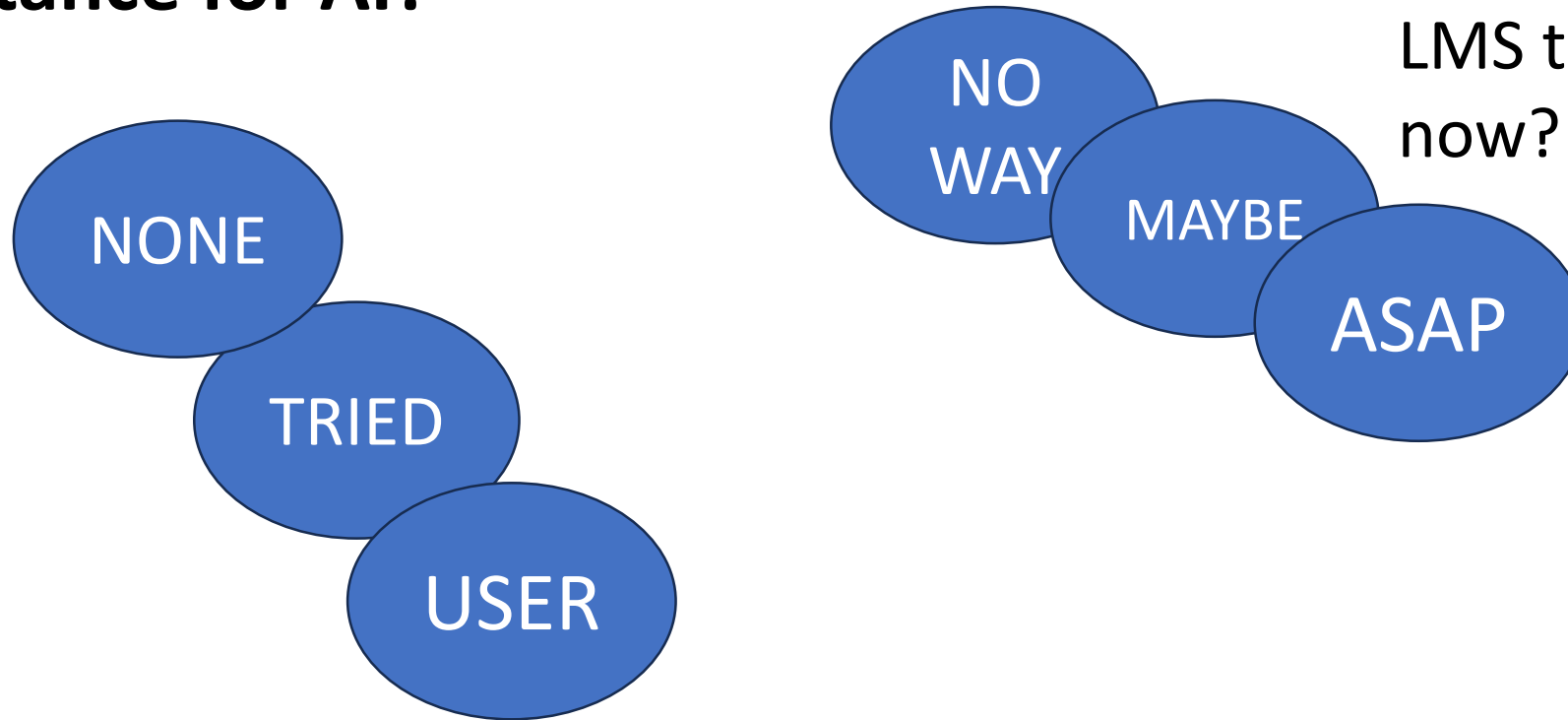
Criteria	Exemplary	Proficient	Basic
Problem Solving Skills 30% of total grade	100% Consistently applies advanced problem-solving strategies accurately and efficiently.	75% Demonstrates solid problem-solving skills with minor errors that don't impede understanding.	50% Shows s- problem with frec understanding.
Conceptual Understanding	100% Articulates complex algebraic concepts clearly and logically.	75% Communicates algebraic concepts effectively with	50% Underst concept:

Cancel Continue

What's ahead for all of us?



What's ahead for all of us? Before we break into groups, what's your general level of acceptance for AI?



If you have not used a LMS tool, will you try it now?

Do your concerns about student use influence your opinions about faculty use?

Conversation 1: What do we have in common?
Campus/Departmental Attitudes and Perceptions
Where is the practicality a given benefit?
Any unique situations in your environment



Spark questions:

How can we embrace the business uses on campus, how can we incorporate this into the student experience?

Can you share an example where AI has driven positive change on your campus? Or, did the concept arrive as a problem?

Conversation 2: Real-World Applications

How can my campus, department, or even work team realistically integrate AI across different environments?

Spark questions:

How could automated feedback change the role of instructors? What are the implications for student learning and instruction?

Thank you!

