

CHARLOTTE

**AI INSTITUTE FOR
SMARTER LEARNING**

ChatGPT **A**ppplied Lab



**SCHOOL OF
PROFESSIONAL STUDIES
CENTER FOR TEACHING AND LEARNING**

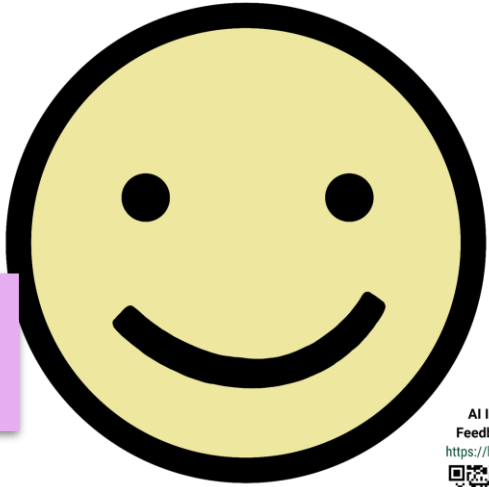


Breakdown of **A**ppplied Lab

2 min	15 min	5 min	15 min	20 min	2 min
Getting Started	What is Generative AI & How Does it Work?	Prompt Engineering	Designing Instructional Materials with ChatGPT	Play Time!	Wrap Up

Resources: **AI Institute Flip Card**

HUMAN



**ChatGPT
Account
Setup**

Sign Up for ChatGPT

1. Visit "https://www.openai.com/chatgpt/"
2. Click "Sign up" to register
3. Sign in with a chosen email address and password.

**AI Institute
Feedback Form**
<https://bit.ly/3pivKpl>

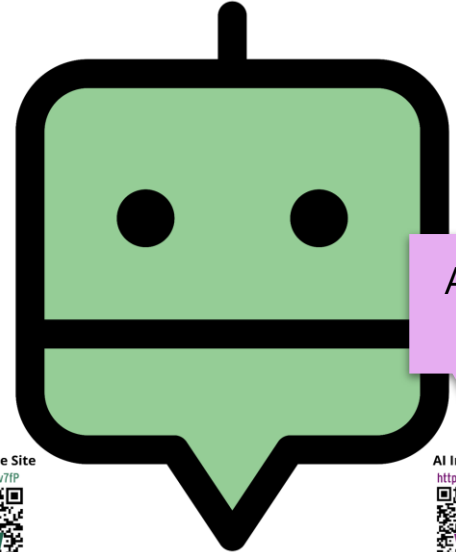


**AI Institute
Google Site**

See: [Institute Resources](#)

**AI Institute
Feedback**

ROBOT



**AI Institute
Padlet**

Institute Google Site
<https://bit.ly/3Lkx71P>




AI Institute Padlet
<https://bit.ly/3L05M4J>



Resources: Institute Notes Organizer

Labs Thoughts
and Notes

Notes Organizer	
Plenary Sessions	
Speakers & Topics	One thing I learned
Questions I have	One thing I will apply in my context
ChatGPT Labs	
Lab Session	One thing I learned
Facilitator	
Questions I have	One thing I will apply in my context

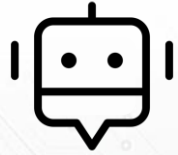
 SCHOOL OF PROFESSIONAL STUDIES
CENTER FOR TEACHING AND LEARNING

“Generative AI refers to a class of artificial intelligence techniques that involve generating new data or content that is similar to data or content that it has been trained on.”

What is Generative **AI** and How Does it Work?



How does Generative AI Work?



Generative AI is **NOT** sentient



Generative AI **replicates patterns** in *available* content created by humans (i.e. the internet).



And generates a response using the **most probable word or phrase** predicted.





What does this mean for **me**?



The Power is in the Prompt!

In your prompts, refer to:

- Concepts it understands
- Processes it can replicate

Content available
on the internet
before 2022

Let's do another "unplugged" activity to conceptualize this.



The Power is in the
Prompt!



Can we get a **volunteer** machine?

Hi! I'm
ChadGPT





Can we get a **volunteer** user?



Alright
ChadGPT,
let's see what
you've got!



How does Generative AI Work?

User (Prompter)



You will be given an image unknown to ChadGPT

Give **one** prompt (any length) that will help them draw that image as accurately as possible.

Once you've given the prompt, wait for ChadGPT to generate the image.

We will need 2 more "User" volunteers after the first prompt has been given.



How does Generative AI Work?



Follow the directions given by the prompter to draw the image.

Do not start drawing until the prompt is "sent" (when the prompter stops talking).



Prompting

No drawing!



Generating...

No prompting!



How does Generative AI Work?

Directions for Prompters 2-3:

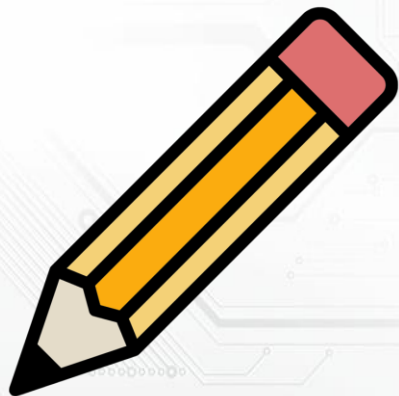
- Give directions to ChadGPT that will help them modify their original drawing to be more accurate.
- You only have one chance to submit your prompt!
- Remember: ChadGPT cannot begin fixing their drawing until you have finished giving instructions.



Prompting

Round 2

No drawing!



Modifying...

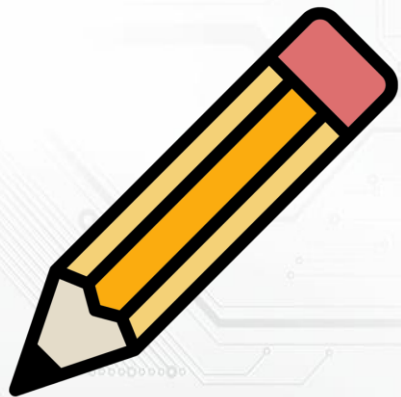
No prompting!



Prompting

Round 3

No drawing!



Modifying...

No prompting!

How does Generative AI Work?



How do you think our ChadGPT did?

i.e. How good were OUR prompts?

Yeah, don't put
this ALL on me!



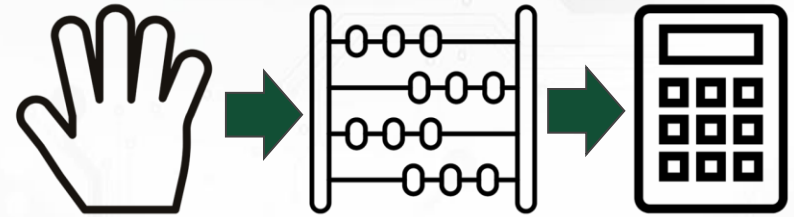
AI is NOT your replacement!

You are the expert.

You are experienced.

You are creative.

You are subjective.

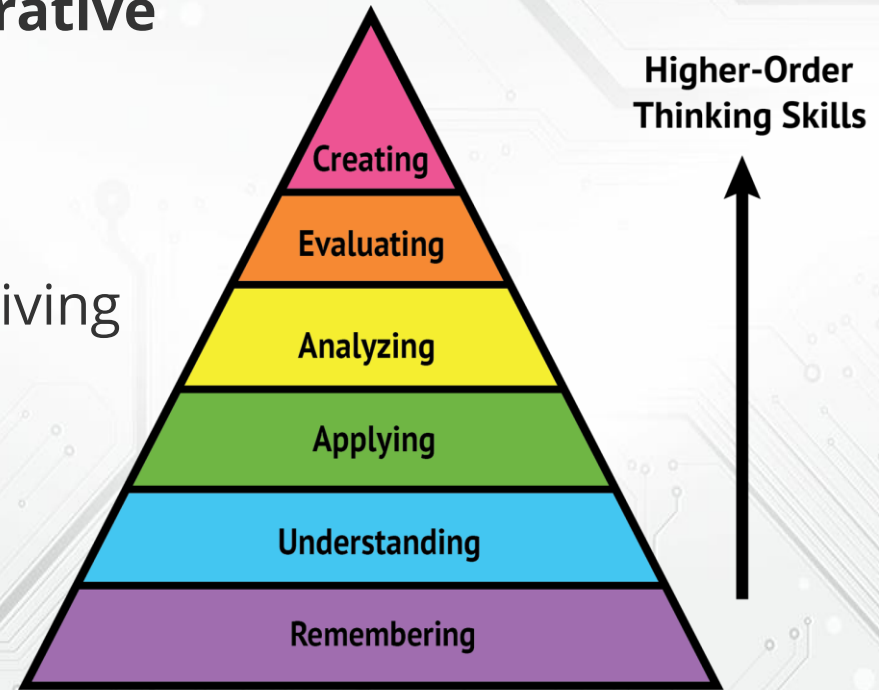


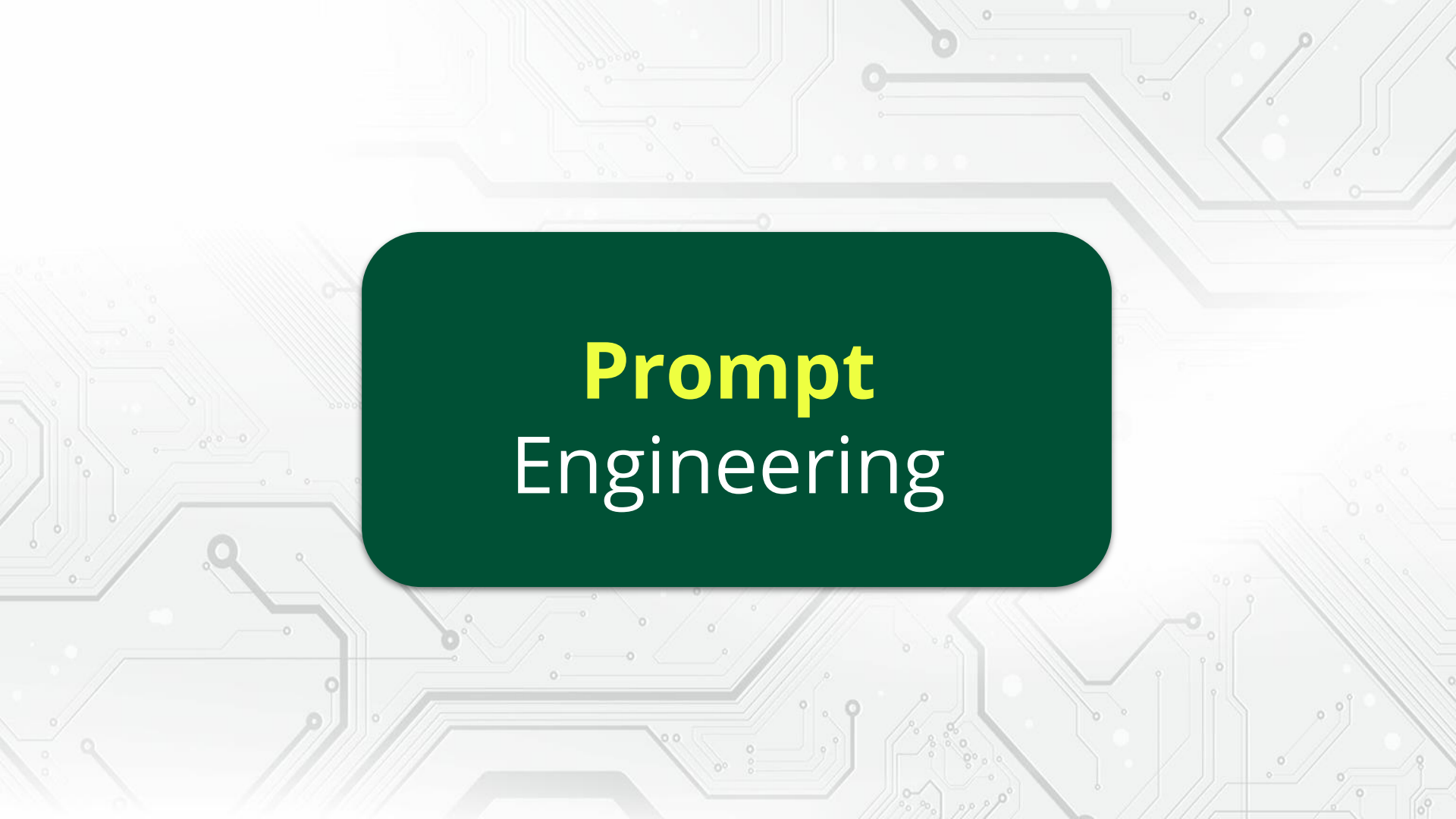
“Calculators can only calculate
- they cannot do mathematics.”

- John A. Van de Walle

AI is a Tool!

- ❑ Let AI handle **rout**e, **administrative** or **organizational** tasks
- ❑ Spend time creating **active learning** opportunities and giving students your **feedback**
- ❑ Use your **experiences** as an expert





Prompt
Engineering

Enter this **prompt** into ChatGPT:



Tell me a joke about generative AI.



Human
PROMPT

Hit **SEND!**

[Give it a task to complete]

Review your Output

AI Response



Enter this **prompt** into ChatGPT:



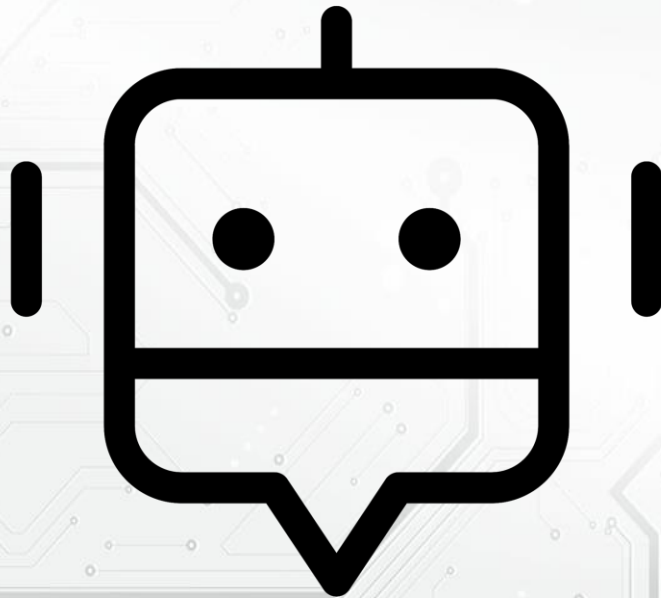
Tell me a joke about generative AI **in the style of**
[*George Carlin*].

Pick your favorite
comedian!

[Give it a persona (role or voice)]



Review your Output



Enter this **prompt** into ChatGPT:

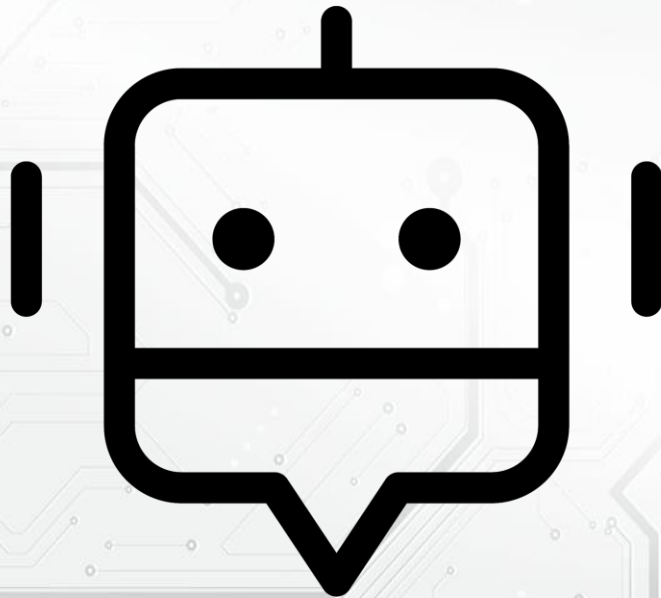


Now turn that into a 10 minute stand-up skit to be performed to an audience of faculty members who are learning to use ChatGPT.

[Give it some context and formatting]



Review your Output





Utilize **AI**
for your **role!**

Utilize your **role** & **expertise**

Ways **you can use AI in your role** as a faculty member **to improve the teaching and learning experience.**

- Brainstorming
- Course Creation
- Content Creation
- Rote or Time Consuming Activities

Using **AI** as a **brainstorming** tool

Course Creation & Improvement

- Topic Breakdown
- Assignment Brainstorming
 - Active Learning improvement
 - Rubric Creation
- Objective Writing
 - Based on Assignment
 - Based on Topic

Content Creation

- Overviews & Descriptions
- Case Studies
- Scripts
- New ways to phrase things
 - Feedback
 - Paper Suggestions

The background of the slide is a light gray circuit board pattern with various traces, nodes, and circular components. A solid dark green horizontal band is positioned in the center, containing the main text.

Let's apply what we've learned to
Co-Design an Assignment with ChatGPT

Enter this **prompt** into ChatGPT:

😊 Create directions for an assignment on **[topic]** for **[level]** students where they **[action]**.

What is the **topic** of the assignment?

[add explicit directions]

Enter this **prompt** into ChatGPT:

😊 Create directions for an assignment on **[topic]** for **[level]** students where they **[action]**.

What is the **topic** of the assignment?

For what **population** of students?

[add explicit directions]

Enter this **prompt** into ChatGPT:

😊 Create directions for an assignment on **[topic]** for **[level]** students where they **[action]**. 🗎

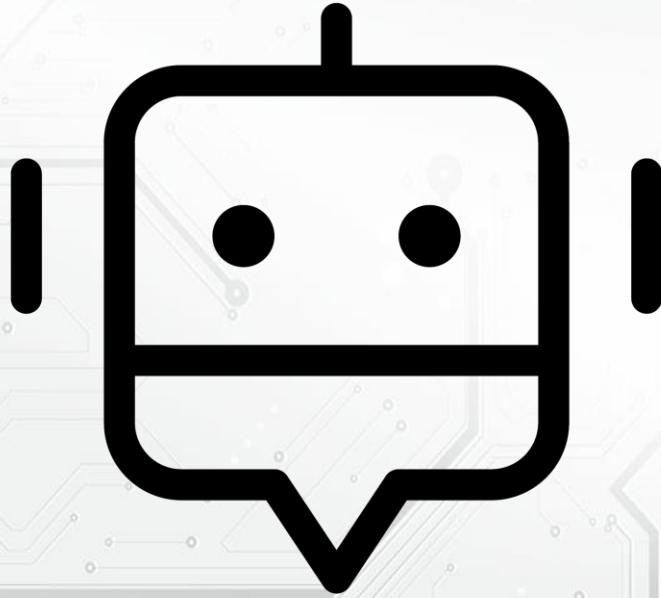
What is the **topic** of the assignment?

For what **population** of students?

What do you want them to **do**?

[add explicit directions]

Review your Output



Modify your **prompt**

Create directions for an assignment on [**topic**] for [**level**] students where they [**action**].



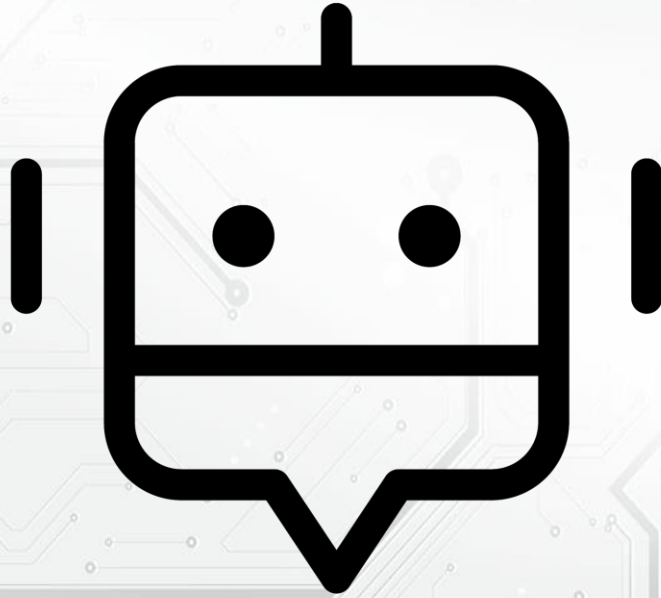
Act as a [**your role**].



Whose **perspective**
or **voice** do you want
the AI to use?

[Give it a persona (role or voice)]


Review your Output



Modify your **prompt**

Virtual, Hybrid,
F2F?
Asynchronously?
Synchronously?

Create directions for an assignment on [**topic**] for [**level**] students where they [**action**]. Act as a [**your role**].


 The assignment will be completed [**modality**] and students will work [**participation structure**]. The assignment should take less than [**time**].

[Give it explicit instructions, context and formatting]

Modify your **prompt**

Create directions for an assignment on **[topic]** for **[level]** students where they **[action]**. Act as a **[your role]**.

Virtual, Hybrid,
F2F?
Asynchronously?
Synchronously?

 The assignment will be completed **[modality]**
and students will work **[participation structure]**.
The assignment should take less than **[time]**.



How will students
participate?
Individually? In groups?

[Give it explicit instructions, context and formatting]

Modify your **prompt**

Create directions for an assignment on [**topic**] for [**level**] students where they [**action**]. Act as a [**your role**].

Virtual, Hybrid,
F2F?
Asynchronously?
Synchronously?

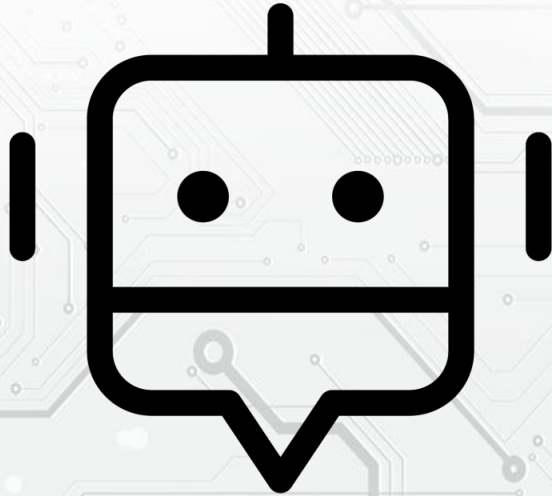
 The assignment will be completed [**modality**] and students will work [**participation structure**]. The assignment should take less than [**time**]. 

How long do you
want them to
work on it?

How will students
participate?
Individually? In groups?

[Give it explicit instructions, context and formatting]

Critique the Output!



- How **feasible** is this assignment?
- Are the learning and skills **objectives** appropriate?
- Is the **timeline** appropriate?
- Could they potentially use **AI tools** in their work?
- Is it ready to roll out or does it need some **modification**?
- Etc.....

The background of the slide features a light gray, stylized circuit board pattern with various traces, nodes, and circular components, set against a white background. A solid dark green horizontal band runs across the middle of the slide, containing the main text.

Now **Co-Design** an **Assessment** with
ChatGPT!

Engineer and enter your own **prompt** into ChatGPT:

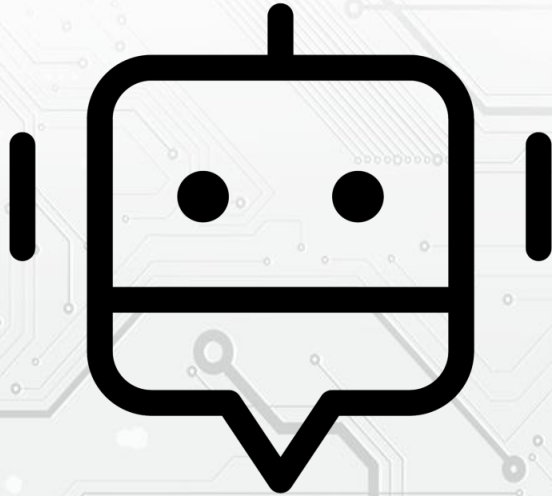


Create an assessment

Include:

- Topic
- Student population
- Actions (what you want them to do)
- Persona (role, voice)
- Format
- Context (modality, participation structure)
- etc...

Critique the Output!



- How **feasible** is this assessment?
- Are the learning and skills **objectives** appropriate?
- Is the **timeline** appropriate?
- Could they potentially use **AI tools** in their work?
- Is it ready to roll out or does it need some **modification**?
- Etc.....

The background of the image is a light gray circuit board pattern with various traces, nodes, and circular components. A solid dark green horizontal band is positioned in the center, containing white text. The words 'Co-Design' and 'Rubric' are highlighted in a bright yellow color.

Now **Co-Design** a **Rubric** with ChatGPT to
assess their assessment!

Enter this **prompt** into ChatGPT:

Reference the assessment that ChatGPT just created!

😊 For the **above assessment**, generate a rubric with *[levels]*.

Assess them on the following performance measures: *[performance measures]*.

[Give it a task to complete]

Enter this **prompt** into ChatGPT:

Reference the assessment that ChatGPT just created!



For the **above assessment**, generate a rubric with [*levels*].

3 point scale? 5 point?
Numeric? Descriptive?

Assess them on the following performance measures: [*performance measures*].

[Add explicit directions]

Enter this **prompt** into ChatGPT:

Reference the assessment that ChatGPT just created!



For the **above assessment**, generate a rubric with **[levels]**.

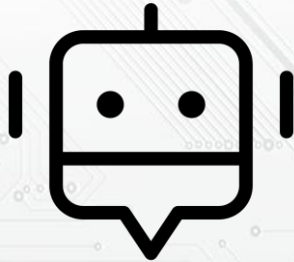
3 point scale? 5 point?
Numeric? Descriptive?

Assess them on the following performance measures: **[performance measures]**. ↗

What is to be assessed?

[Add explicit directions]

Modify your **prompt**



**Now continue to modify until
you get a rubric that you like!**



Or modify it yourself.



Play Time!

Play Time!

Resources available on AI
Institute Google Site under
Institute Resources



Choose how you want to play!

1

Practice your **Prompt Engineering** using our [prompt cards](#).

Modify the prompts by adding context, roles, and explicit instructions that apply to your context.

2

Develop an assignment or project for your own course.

Add your designs and prompts to the [shared deck](#) of smarter designs.

Example AI Policy

Student-Facing Syllabus Component on the Appropriate use of AI within course assignments.

[Example AI Policy](#)

Next Up



11:30 - 12:15 Lunch Break

1. Lunch will be served on the **5TH FLOOR**
1. Present your **lunch ticket** to Jules
Tickets are located in the back of your ID
1. Sit and eat in one of **3 rooms**

Room 501

Room 502

Room 506

Want to Network?



Reach out to us or connect with us on LinkedIn or university email; we're open to talking about all things **AI, media, and engagement!**



Kory Trosclair
- KTroscla@uncc.edu



Chris Muellenbach
- CMuellen@uncc.edu

