ChatGPT Edu for Course Design

ChatGPT Edu | Meet the Team

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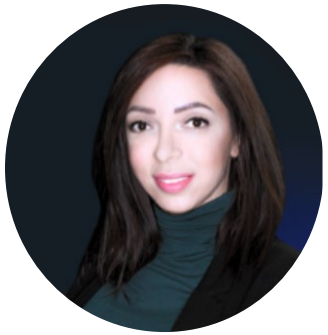

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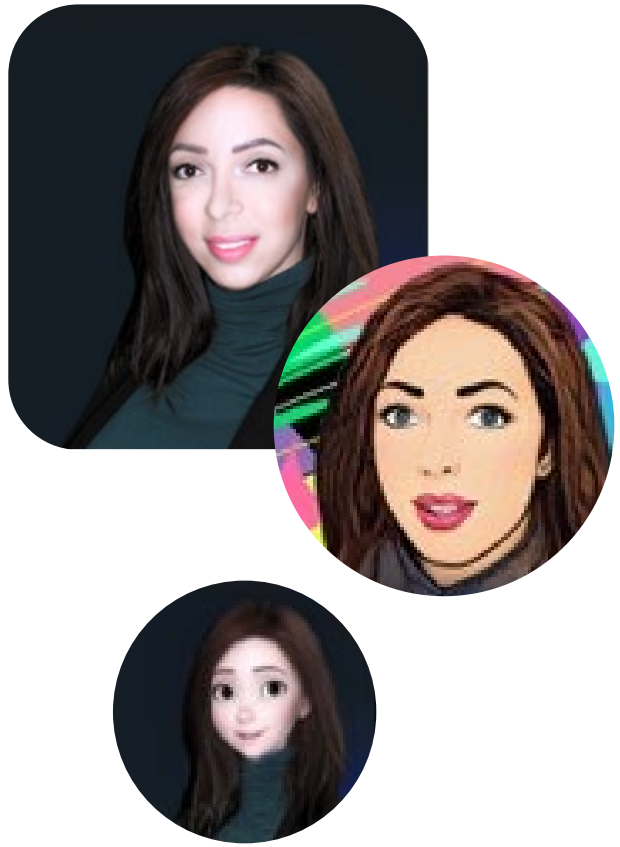
ChatGPT Edu | Introduction



Tracy Medrano, M.A.

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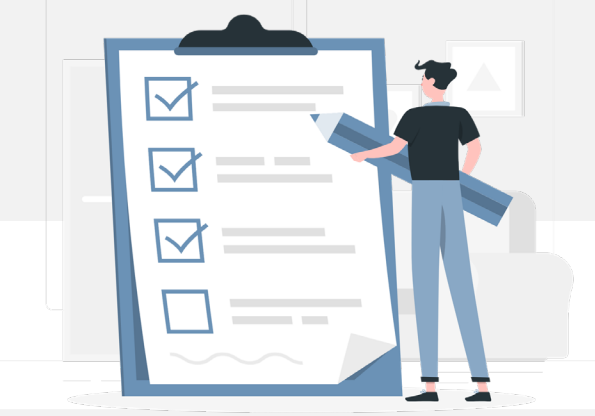
Goal



1. Explore **practical way to leveraging ChatGPT** to **develop course content that aligns with learning objectives**.

2. Apply **prompt-engineering techniques to optimize ChatGPT-generated content** as a resource for course design.

3. **Identify how ChatGPT** can be integrated into the course design workflow to **enhance accessibility** and **support Universal Design for Learning (UDL)**.

4. **Identify limitations of ChatGPT**, including accuracy, bias, privacy, and pedagogical implications.

Perspectives: Educators using AI

50% of educators use AI themselves for lesson planning. (EDNC)

Recent studies indicate that **50% of educators are utilizing AI technologies to assist with creating lesson plans**, demonstrating the growing acceptance of AI as a valuable resource in educational planning.

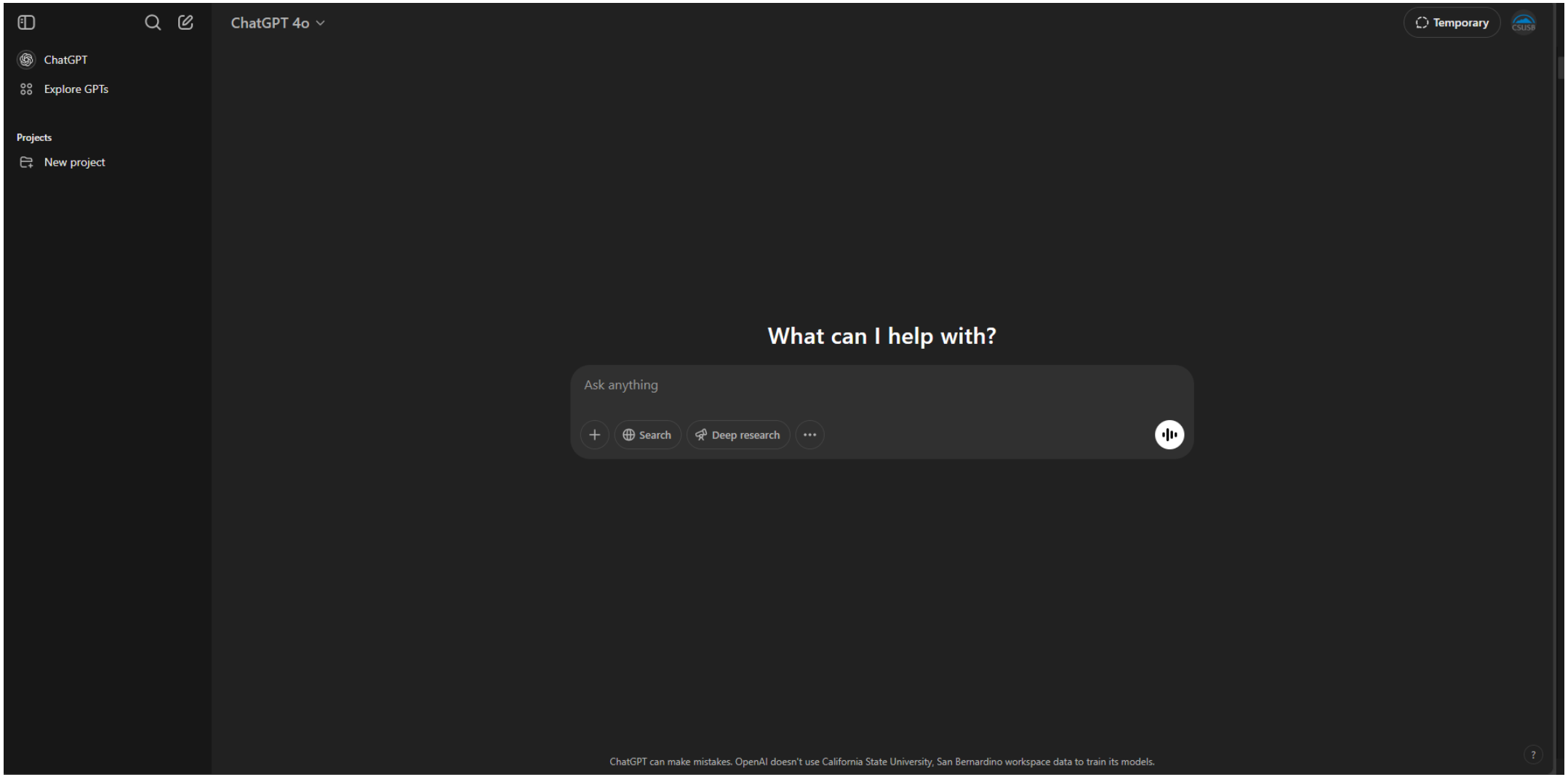
37% of educators use AI to generate classroom materials like tests and assignments. (EDNC)

Nearly **4 out of 10 educators use AI tools to create educational materials** such as tests and assignments.

44% of educators use AI for research. (EDNC)

Nearly **half of teachers are using AI tools to aid in research**, utilizing these technologies to access information and analyze data more efficiently.

Live Demo | Explore practical ways to use ChatGPT to develop course content that aligns with objectives



Prompts | Effective techniques to yield the best ChatGPT results

1. Be Clear and Specific
2. Provide Context: Giving the AI more context can help it generate more accurate and relevant responses.
3. Set Parameters: Define the format or style you want the response in.
4. Use Examples: If possible, include examples in your prompt to guide the AI.
5. Use Role-Based Prompts
6. Ask for Step-by-Step Explanations
7. Repeat and Refine: Sometimes the first output may not be perfect. Repeat your prompt by refining and tweaking it based on the AI's responses to get closer to your desired output.
8. Open-Ended Questions
9. Specify the Audience
10. Request multiple Options

UDL & Accessibility| Increasing Access with ChatGPT

Universal Design Theory for Learning (UDL) principles include incorporating:

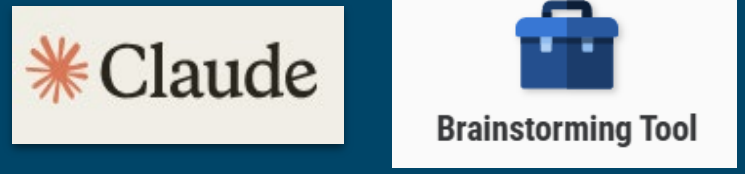
- Multiple means of representation
- Multiple means of action/expression
- Multiple means of engagement

Limitations | ChatGPT is Not Perfect

1. Bias & Misinformation
2. Data Privacy & Confidentiality
3. Over-reliance on AI
4. Lack of Human Connection
5. Loss of Pedagogical Intent
6. Quality & Accuracy of AI-Generated Content
7. Intellectual Property & Copyright Issues

AI | Resources & Tools

AI tools can be leveraged to support our development and alignment of:

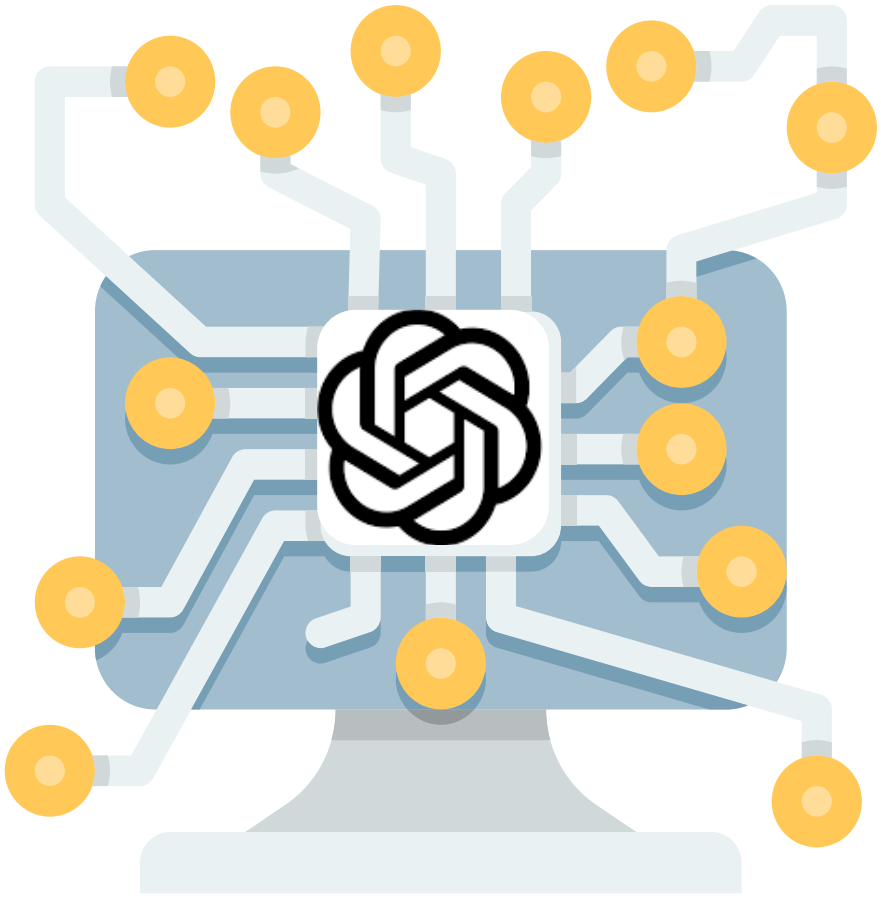
- Learning outcomes: Claude & Brainstorm tools 

- Assessments: Learning Studio AI

- Instructional materials: Canva > AI apps

Other Resources:

- There are many useful AI tools: theresanaiforthat.com

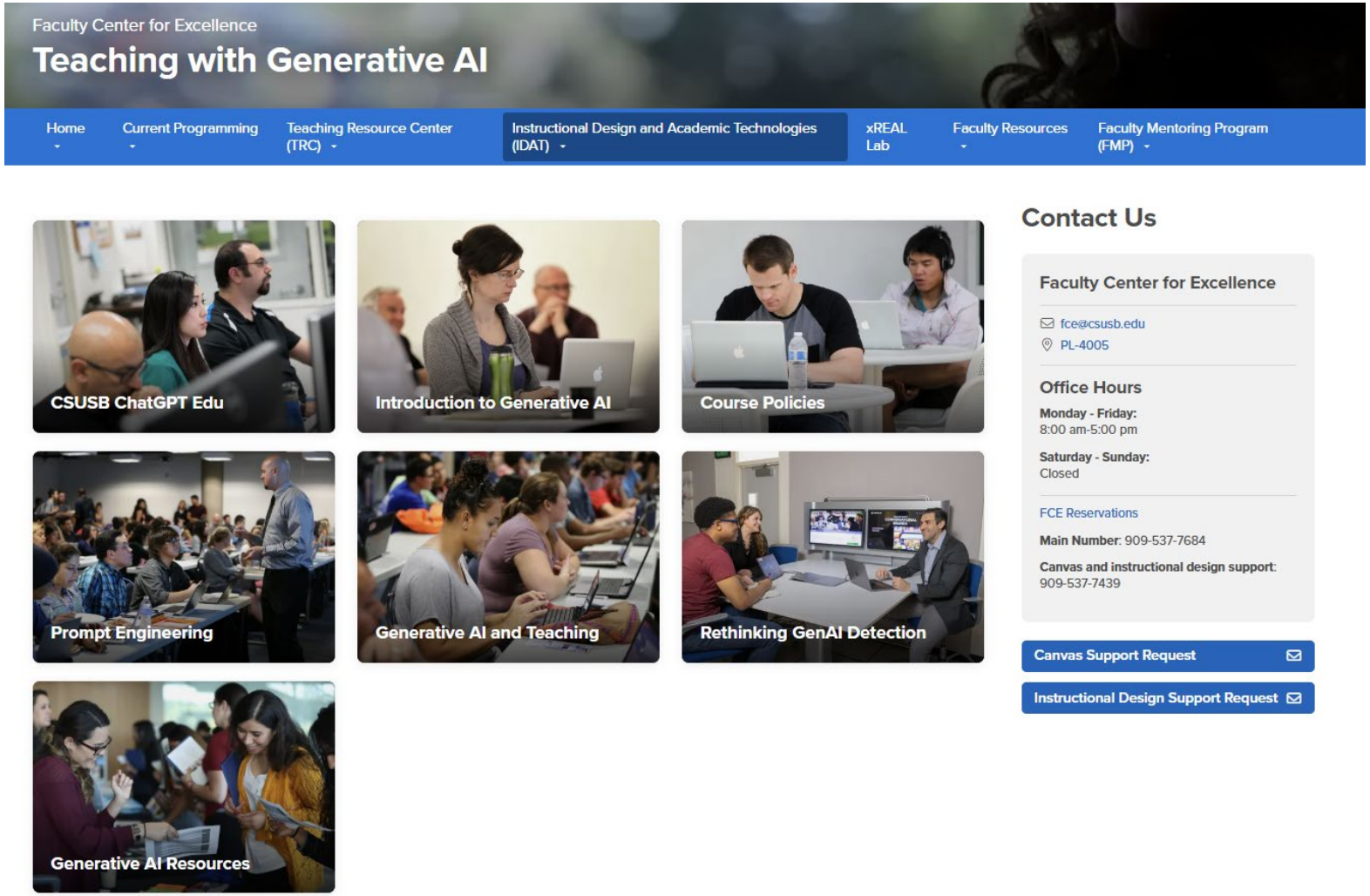


ChatGPT Edu for Faculty workshops

ChatGPT Policies (Th 4/10 11am-12pm by Zoom)
Guidelines for appropriate vs. prohibited uses of GenAI, requirements for attribution and disclosure when GenAI is utilized, and academic integrity standards.

Rethinking ChatGPT Detection (F 4/11 11am-12pm by Zoom)
Explore the challenges and unreliability of tools claiming to detect Generative AI. Discuss why these tools often produce false positives and negatives, and share alternative strategies, emphasizing the importance of rethinking your pedagogy in light of GenAI's ubiquity. Learn how to create and communicate a clear classroom policy aligned with CSUSB FAM 803.5. Rather than focusing on detection, discover how to effectively incorporate GenAI to enhance your teaching and learning experience.

Teaching with Generative AI



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Thank you!