

# AI Meets UDL 3.0: A Chatbot for Designing UDL 3.0 Lesson Plans

Madeline Ruggiero  
Assistant Professor/Collection Development Librarian  
Queensborough Community College CUNY

# **Universal Design for Learning (UDL) Defined**

UDL is based on principles that empower everyone to have agency over their own learning. It allows educators and learners to set clear goals, anticipate environmental barriers, create meaningful options, and fully embrace human variability.

# Evolution of UDL Guidelines

**Version 1.0  
2008**

**Version 2.0  
2011**

**Version 2.1  
2014**

**Version 2.2  
2018**

**Version 3.0  
coming!**



**Version 3.0 focuses on expanding the Guidelines to more fully address critical barriers rooted in biases and systems of oppression**

# Current Version UDL Guidelines 3.0 as of July 30, 2024

<https://udlguidelines.cast.org/>

## Inclusive and Community Driven

Stronger connections to identity as part of variability and to address systemic bias.

Emphasizes multiple and intersecting identities.

Creating a welcoming community for learners

Addressing barriers to identity

Wider representation of perspectives and authors

# Best Practices for Interactive Tutorial Design Linked to UDL Practices

- Cognitive learning and chunking (consistent with research based evidence on how people learn)
- Multimedia instructional lesson containing text, audio, video, and/or images
- Ability to skip sections or move ahead for more learner control
- Increased accessibility so students have 24/7 access to learn at their own pace
- Ensuring ongoing engagement with the tutorial
- Self assessment through quiz questions

# AGENTIC AI

**Agentic AI** refers to autonomous artificial intelligence systems designed to achieve specific goals by independently planning, executing, and adapting multi-step workflows with minimal human intervention. It is not merely a chatbot like generative AI.

LUDIA ( name derives from a play on UDL and AI)

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