

AI as Your Student Learning Outcomes Assistant

Instructors can leverage Generative Artificial Intelligence (GenAI) capabilities for the development of learning objectives and outcomes that are aligned with specific program goals. Utilizing GenAI can streamline the development process, ensuring that objectives are clear, measurable, and aligned with desired student learning outcomes. Having clear, measurable and aligned objectives and outcomes ensure better evaluation of program, course and student success.

Prompting Guidelines

Provide Context

- Role Play
 - "You are an expert in curriculum development"
- Course Title
- Current Course Package
- Program SLOs
- Student's Prior Knowledge

Define Constraints

- Number of outcomes or objectives
- Output Format
 - "Use complete sentences"
 - "Use Bloom's Taxonomy"

Expand on Outputs

- Continue prompting the AI for more refined outputs

- Revise yourself for better language
- Exclude irrelevant information

Templates

Task	Template
<p>Convert outline to Outcomes and Objectives.</p> <p>**This assumes you have an outline of a course with topic names or phrases that lacks outcomes that use complete sentences and are measurable.</p>	<p>"You are an expert in curriculum development. I have a [course name] course. Convert the following course outline into course learning outcomes with objectives aligned to each outcome. Use complete sentences and start each sentence with action verbs that ensure the outcome or objective is measurable and directly relates to the topic. Write multiple objectives for each outcome. Make sure to address each item in the outline and use language that is student friendly for community college students.</p> <p>[Insert Course Outline]"</p>
<p>Consolidate "competencies" and "outcomes".</p> <p>**This assumes you have a course package with outcomes that use complete sentences and are measurable, but you have "Course Competencies" that are different from your course learning outcomes.</p>	<p>"You are an expert in curriculum development. I have a [course name] course. Rewrite the course curriculum below to contain only course student learning outcomes by combining the course competencies with the course learning outcomes. Use complete sentences and start each sentence with action verbs that ensure the outcome or objective is measurable and directly relates to the topic. Make sure to address each item in the list and use language that is student friendly for community college students.</p> <p>[Insert Course Package]"</p>

Task	Template
Rewriting outcomes in student-friendly language. **This assumes you have a robust course package already and you want to share the course student learning outcomes to students in a more approachable way.	"You are an expert in student-centered instructional design. Rewrite each of the provided course learning outcomes and objectives in student-friendly language for community college students. Make sure to use complete sentences. The course is [course name] . [Insert Course Package] "

Other Considerations

Although GenAI offers a variety of capabilities, there are some drawbacks to relying on GenAI in the development of objectives and outcomes. Gen AI

- Lacks a holistic picture of program or prior knowledge of students
- Is out of tune with the needs of our students, transfer partners, or degree requirements
- Creates responses that are wordy and technical
- Has difficulty with creating measurable "action" words/verbs
- Without exposure to relevant content, it may provide incorrect information

Because of these drawbacks, it is advised to revise and edit to meet the criteria of the course.

Generative AI Tools

- [ChatGPT](#)
- [Claude](#)
- [Google Gemini](#)
- [Microsoft Copilot](#)
- [Poe](#)