

AI Faculty Toolkit



[Assignment Redesign]

Revising a Large, Multi-Step Hybrid Project to an Online Project

Overview:

This project showcases a collaborative, iterative process between an instructor and generative AI using Claude 3.7 in the BoodleBox AI platform. Below is an outline of the process and outputs followed by a read-only link to the full conversation.

Outline: Instructor-AI Collaboration for Course Redesign

I. Initial Problem Definition

- Instructor presented hybrid course project needing conversion to fully online-asynchronous format
- Project requirements included maintaining program objectives and assessment benchmarks
- Original project focused on food science exploration with in-person presentations

II. Prompt Engineering Phase

- AI suggested a structured prompt template for instructional design
- Template included specific components (learning objectives, tasks, technology, assessment)
- Instructor applied the template to create comprehensive redesign request

III. Comprehensive Project Redesign

- AI delivered complete project transformation with structured sections:
 - Project overview
 - Learning objectives
 - Step-by-step student tasks
 - Technology requirements
 - Assessment methods
 - Peer interaction components
 - Grading rubric outline

IV. Iterative Refinement: Peer Learning Exchange

- Instructor requested clarification on peer presentation access mechanisms
- AI provided detailed implementation options using Canvas features
- Multiple approaches presented with technical considerations

V. Iterative Refinement: Self-Assessment Component

- Instructor requested specific reflection questions for self-assessment checkpoint
- AI developed comprehensive question set organized by categories:
 - Content understanding
 - Research process
 - Presentation development
 - Learning objectives
 - Technical reflection
 - Next steps

VI. Iterative Refinement: Discussion Board Structure

- Instructor shared existing peer reflection questions
- Instructor requested improvements for online discussion format
- AI enhanced questions for deeper engagement
- Instructor requested restructuring around individual posts
- AI reorganized approach to align with instructor's vision

VII. Documentation and Synthesis

- Request for process overview and outline
- AI created summary of collaborative instructional design process
- AI developed structured outline of iterative development stages

Full conversation

To view the full conversation between instructor, instructional designer and AI, create a free BoodleBox account at boodlebox.ai and visit the link below (note: this is an active thread so please don't engage in the conversation.)

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