

INTEGRATION OF AI IN COURSEWORK AT WESTERN KENTUCKY UNIVERSITY

- Western Kentucky University faculty across departments aim to use AI tools to enhance student learning by improving data analysis, critical thinking, and content creation.
- Many projects focus on using AI to provide real-time feedback and simulations that help students in fields such as education, management, and history better engage with course material.
- A common goal is to integrate AI into student assignments, such as term papers, projects, and case studies, to foster deeper understanding and skill development.
- Since these AI interventions are being implemented during the current semester, the outcomes of their effectiveness will not be known until next year.

Department	Project Description
School of Teacher Education	Students will use AI tools to enhance literature reviews and educational research practices.
Engineering and Applied Sciences	AI will provide real-time feedback to students in a construction scheduling course, helping them understand and apply project management principles.
Political Science	AI will help students analyze organizational behaviors in public sector organizations through data-driven simulations.
History	Students will explore how historical narratives are constructed using AI simulations in the context of memory and history.
MGT	AI will assist students in drafting and revising collaborative term papers in a management course.
Management	Students will utilize AI to analyze and improve business management decisions in various scenarios.
School of Teacher Education	AI will be integrated to enhance student writing and critical thinking in elementary education courses.
Kinesiology, Recreation, and Sport	AI will offer personalized feedback in kinesiology courses, helping students improve their understanding of exercise interventions.
Counseling and Student Affairs	Students in counseling programs will use AI tools to simulate case studies and counseling scenarios for decision-making practice.
Analytics and Information Systems	AI tools will be used to enhance cybersecurity coursework, allowing students to analyze and interpret real-time data.

School of Teacher Education	Students will use AI to approach education methodologies in innovative ways, focusing on teaching design and student feedback.
Management	AI will support business analytics projects, enhancing data-driven decision-making in management courses.
Analytics and Information Systems	AI will assist students in cybersecurity projects, providing them with simulated data for analysis and feedback.
Finance	Students will use AI for financial modeling and forecasting, improving their understanding of financial principles.
English	Students will analyze literary texts using AI tools, enhancing their critical thinking and writing skills.
Psychology	AI will simulate psychological experiments and case studies, enriching the learning experience in psychology courses.
Art & Design	AI will provide real-time feedback for digital media projects, assisting students in refining their design skills.
Modern Languages	AI tools will offer personalized feedback in language learning, enhancing student proficiency in modern languages.
School of Teacher Education	AI will enhance literacy development by offering real-time feedback on writing assignments in teacher education courses.
Political Science	Students in political science will use AI to analyze research and improve their critical thinking skills.
Biology	AI tools will assist biology students in data analysis and scientific research, particularly in group projects.