

Innovation with Artificial Intelligence

MISSION-DRIVEN & STUDENT-CENTERED

Advancing success through principled innovation

Aligned with SIP and TMP goals and priorities



AI as a Mirror and an Amplifier

How we use AI Reflects and Amplifies

AI doesn't just change how we work, it can magnify our values, our priorities, and how we serve students and one another

- ✓ Everyone influences our culture
- ✓ AI is not neutral – it amplifies clarity and care or distance and bias
- ✓ Intentional use strengthens service
- ✓ Mission matters more than capability

Issues & Challenges



Key Issues We are Navigating

Adopting AI thoughtfully requires addressing institutional readiness, alignment, and trust, not just technology

- ✓ Pace of Change & Sensemaking
- ✓ Data Readiness & Infrastructure
- ✓ Guardrails for Responsible and Sustainable Innovation

AQL Labs Partnership

Building our AI Strategy

AQL Labs is supporting college leadership in defining a **clear, intentional approach to AI** at Merced College.

- ✓ Co-developing a **shared AI mission and vision**
- ✓ Identifying **priority use cases**
- ✓ Establishing **goals and guardrails** for responsible AI use
- ✓ Learning alongside **peer colleges** to inform next steps



AQL LABS

Innovating in **Education** to
Transform Lives

AI Foundations Course for Faculty & Staff

AI with Purpose

A human-centered learning experience designed to ensure responsible and meaningful AI adoption.

- ✓ **Human-Centered Learning:** Keeping people at the heart of technology.
- ✓ **Responsible Usage:** Guidelines for ethical implementation.
- ✓ **Meaningful Integration:** Practical applications for the classroom.



AI with Purpose
A Human-Centered Guide for Education, Work, and Life

Explore how AI works, why it matters, and how to use it responsibly in education, work, and everyday life. Use the "Start Here" button below to enter the Orientation and then follow the pathway that fits your role or explore all four modules at your own pace.

START HERE FOUNDATIONS OF AI AI FOR EDUCATORS AI FOR STUDENTS AI FOR THE WORKPLACE

Designed with equity, ethics, and digital empowerment in mind.

Powerful AI Tools Available Now

Partnerships enables AI Access to Faculty, Staff, and Students



Google Gemini & NotebookLM

Gen AI for brainstorming and content creation and doc research assistant.



Nectir AI

Integrated AI Assistant tools tailored specifically for educational contexts.

Coming soon!



Boodlebox

AI platform with diverse AI tools with features for group collaboration

Strengthening District AI Support

Innovation with Artificial Intelligence Hub

Centralized web resources to streamline support and innovation for thoughtful AI Use

- ✓ **AI Considerations:** Easy access to guides.
- ✓ **Live Consultations:** [Instructional Design Faculty](#).
- ✓ **EdTech Pilots:** Testing with [Ed Tech Specialists](#)
- ✓ **Teams Channel:** [AI Conversations](#)



Thoughtful Artificial Intelligence (AI) Use

2. Review the Guiding Principles (HUMANS-Aligned) for AI Use

3. FERPA and Exploring Google Gemini and NotebookLM

4. Understanding Three Levels of AI

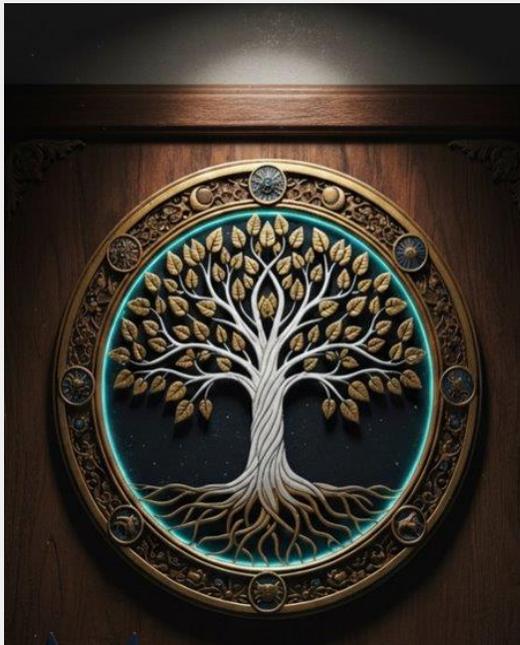
5. Evaluating & Exploring AI Tools - ASCCC

6. Teaching & Learning with AI - A Few Suggestions

7. Syllabus and Assessment AI Statements

8. Need Additional Consultation for AI Use?

The AI Taskforce



Governance, Supports, & Guardrails

Ensuring our journey is secure, ethical, and mission-aligned.

- ✓ **Secure & Ethical Use:** Protecting data and privacy.
- ✓ **Mission Alignment:** Tech that serves our goals.
- ✓ **Coordinated Leadership:** Cross-campus decision making.
- ✓ **Overall Projects:** Related to AI Policy, Innovation Challenge, AI Webpage, AI Course, AI Tools, AI Champions.

AI Champions Across Every Department

A Distributed Support Network

We are not doing this alone. [Champions](#) are embedded in every division to learn AI and collaborate with their peers.

- ✓ **Scaling Adoption:** Localized support accelerates growth.
- ✓ **Department Guidance:** Tailored advice for specific disciplines.
- ✓ **Collaborative Leadership:** A unified approach to thoughtful, human-centered change.



AI Innovation Challenge

Empowering Ideas

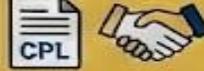
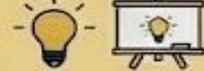
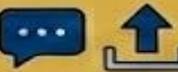
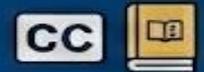
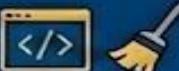
All faculty, staff, and administrators invited to **propose their own AI-driven solutions.**

- ✓ **Campus-wide Call:** Open to all employees.
- ✓ **Solve Problems:** Improve quality and efficiency
- ✓ **Improving Processes:** Efficiency in operations.
- ✓ **Student Experience:** Enhancing learning outcomes.



[AI Innovation Challenge Proposal Form](#)

AI Use Cases

 <p>ChatGPT Thought Partner. Explore new topics through ongoing conversation.</p>	 <p>Email Drafting & Refining. Ensure messages are collegial, clear, and concise.</p>	 <p>Refining / Grammar Check. Ensure collegial messages; check grammar, clarity, and tone.</p>	 <p>Grammar & Tone Check. Verify clarity and professionalism in emails.</p>	 <p>CPL Buddy. Reference assistant for Credit for Prior Learning inquiries.</p>	 <p>CBE Buddy. Support understanding of Competency Based Education.</p>	 <p>AI Innovation Challenge. Brainstorm and articulate AI application ideas.</p>
 <p>AI Agents Guide. Practical guide to building AI agents for institutional capacity</p>	 <p>CPL Course Navigator. Identify and verify MCCC CPL course offerings (in progress).</p>	 <p>Zoom AI Companion. Meeting notes, summaries, and follow-up actions.</p>	 <p>Email Wording Improvement. Enhance professionalism across communications.</p>	 <p>Email Wording Improvement. Enhance professionalism across communications.</p>	 <p>Technical Issue Help. Provide step-by-step troubleshooting assistance.</p>	 <p>Video Terminology Clarifier. Support accurate captioning in videos.</p>
 <p>Canvas Help Tickets. Draft tickets or tutorial requests.</p>	 <p>HTML Code Cleanup. Fix HTML errors in Canvas pages.</p>	 <p>Document Analysis. Read and extract key information from long documents.</p>	 <p>Pros & Cons Analysis. Support informed decision-making.</p>	 <p>Excel Formula Analysis. Quickly generate accurate Excel formulas.</p>	 <p>Pros & Cons Analysis. Generate icons remembering preferred visual styles.</p>	 <p>Excel Formula Generator. Quickly generate accurate Excel formulas.</p>
 <p>Custom GPTs Monitor Maintain focus and continuity with defined parameters.</p>	 <p>Icon Generation GPT Generate icons remembering preferred visual styles.</p>	 <p>ChatGPT Exploratory Tool</p>	 <p>Gemini Decisive Tool Use for exploratory, objective reasoning.</p>	 <p>Dashboard Visuals Generate icons and visual elements for results.</p>	 <p>Low-Code AI Tools Clean data, build models, and visualize results.</p>	 <p>Nectir Grant Monitor Monitor grant opportunities and identify AI-related grants.</p>

Faculty AI Use Cases

Graphics Development	Developing course-relevant, high-quality graphics.
Welcome Letters	Creating personalized welcome letters for students.
Assignments & Rubrics	Generating detailed course assignments complete with rubrics.
Educational Puzzles	Drawing puzzles from Word documents, PDFs, and PowerPoint files.
Rapid Content Generation	Using Chat or Co-Pilot to generate in minutes or seconds what used to take hours.
Course Materials	Drafting and refining various course materials.
Curriculum Alignment	Aligning curriculum with industry standards and California requirements.
Study Guides	Creating targeted study guides for students.
Supplemental Learning	Analyzing common errors/topics to generate supplemental explanations, examples, and practice questions for support outside of class.
Scaffolded Writing	Redesigning writing assignments to intentionally scaffold AI use across the revision process.
Applied Legal Writing	Having students use AI to draft rental agreements and refine them into a single master.
Video Creation	Creating videos for course use.

Classified Staff AI Use Cases

Email Communication	Sharpening emails to ensure they sound friendly and professional.
Workflow Efficiency	Improving accuracy and instructional support in daily roles.
Technical Automation	Generating Python code to create medication labels and streamline labeling tasks.
Document Management	Summarizing long documents to identify key points quickly.
Data Analysis	Finding statistics on specific topics to support arguments, proposals, and decision-making.
Spreadsheet Support	Assisting with the creation and troubleshooting of complex spreadsheet formulas.
Marketing & Design	Drafting flyers and promotional materials.
Administrative Tasks	Creating meeting minutes and organizing discussion points.

Administration AI Use Cases

- Research & Tools** Using AI for research, building tools, and creating presentations.
- Workflow Automation** Transforming data to generate calendar holds and streamline scheduling.
- Data Summarization** Summarizing large spreadsheets into consumable data formats for review.
- Institutional Reporting** Assisting in professional report writing, such as ACCJC reports.
- Enrollment Management** Utilizing AI to support and optimize enrollment management processes.

Evaluating Our Impact



Future Projects with OIE to **measure what matters.**



**Potential data points*

Innovation with Artificial Intelligence

