Structuring AI as a Faculty Partner Quality, Oversight, and Innovation

"Oversight Compass" Quadrants

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Framework Overview

We use AI to (a) draft QM-aligned content, activities and assessment in conjunction with faculty-provided outcomes, (b) examine content, activities and assessments according to QM checkpoints, and (c) generate structured artifacts—alignment matrices, assessment blueprints, accessibility checks—that are then refined by both faculty and instructional designers and documented for internal and external QM reviews. The framework is grounded in our CIS390/QM guide, which enumerates the rubric areas and checkpoints we target end-to-end—from Course Overview to Accessibility & Usability.

Guided AI Protocol (with pacing tools, prompt templates, and safeguards)

Pacing & templates: Faculty work from an AI "primer" that includes Prompt Summaries, Best Practices, and Prompt Details. The kit guides instructors to sequence drafts (narratives, outline, activities, assessments), and explicitly load source references to maintain academic integrity.

Rubric-aware drafting: Prompts explicitly ask for alignment matrices to map outcomes, activities, assessments, so every AI output is aligned with QM Standards, which we later verify.

Bias/misalignment safeguards: Each draft cycles through checks for (i) objective–assessment fit (are verbs & measures matched?), (ii) accessibility (captions, transcripts, alt text, contrast), and (iii) integrity (assessment design that reduces misconduct). These checkpoints are directly derived from the QM rubric and associated guides. We have expanded the QM rubric guide with 300+ items into a customizable rubric spreadsheet.

Voice retention: Prompts are phrased to retain faculty tone, with AI limited to structure, examples, and gap-spotting; faculty finalize wording to keep authorship clear. Original and authentic Faculty voice is maintained and resonates with students.

Human Collaboration

Faculty and ID Conversation and Feedback: Drafts are reviewed asynchronously in the LMS (rubrics/comments) and synchronously via quick virtual meetings and recorded instructional videos. The feedback is organized around an Alignment Matrix and a Grading/Assessment checklist so conversations stay evidence-based.

Co-working practices: IDs request targeted revisions ("revise the learning outcome verb to measurable," "link this discussion to Objective II") and re-run prompt edits rather than whole-cloth rewrites—preserving faculty intent while accelerating iteration. We continuously gather student and peer feedback to refine the alignment and keep the matrix current.

Retrofit Path

AI-assisted enhancement of existing courses to meet QM criteria: For legacy courses, we have in addition to traditional practices the option to apply three brief AI-supported reviews.

1) Orientation & Overview Welcome module, navigation map, policies, technology requirements. 2) Alignment & Outcomes into measurable form; alignment matrix built, development of competencies, module, lessons outcomes. 3) Assessment/Accessibility Varied assessment types with criteria, individual & group activities, role plays, scenarios, application of Bloom's Taxonomy, integrity guidance, captions/transcripts/alt text.

Roadmap-Driven, User-Centered, Standards-Aligned Scaffolding for AI Innovation

Map course outcomes to QM checkpoints: We enumerate outcomes and attach them to QM sections 2–5 (Objectives, Assessment, Materials, Interaction).

Draft with targeted AI prompts (retain faculty voice): The primer provides module-level drafts, activities, and assessment options tailored for online delivery, which faculty customize.

ID–Faculty review & alignment check: We verify that each objective is directly tied to assessed knowledge/skills and that activities provide the needed practice.

Bias, accessibility, and integrity safeguards: We apply explicit checks: alt text, contrast, captions, transcripts, accessible media players; academic integrity modeling/instruction and assessment design to reduce misconduct.

Iterate & document decisions: Revisions and rationales are logged to support QM internal/external review. Prepare artifacts for review.

What does this deliver for students and faculty?

Transparent paths to mastery: Objectives are measurable and prominently located; students see how activities and assessments lead to those outcomes.

Inclusive, accessible learning: Courses meet media and document accessibility requirements (captions, transcripts, alt text, contrast) and include clear navigation and support links.

Assessment clarity and integrity: Criteria and grading policies are explicit; assessments are varied, sequenced, and integrity-aware.
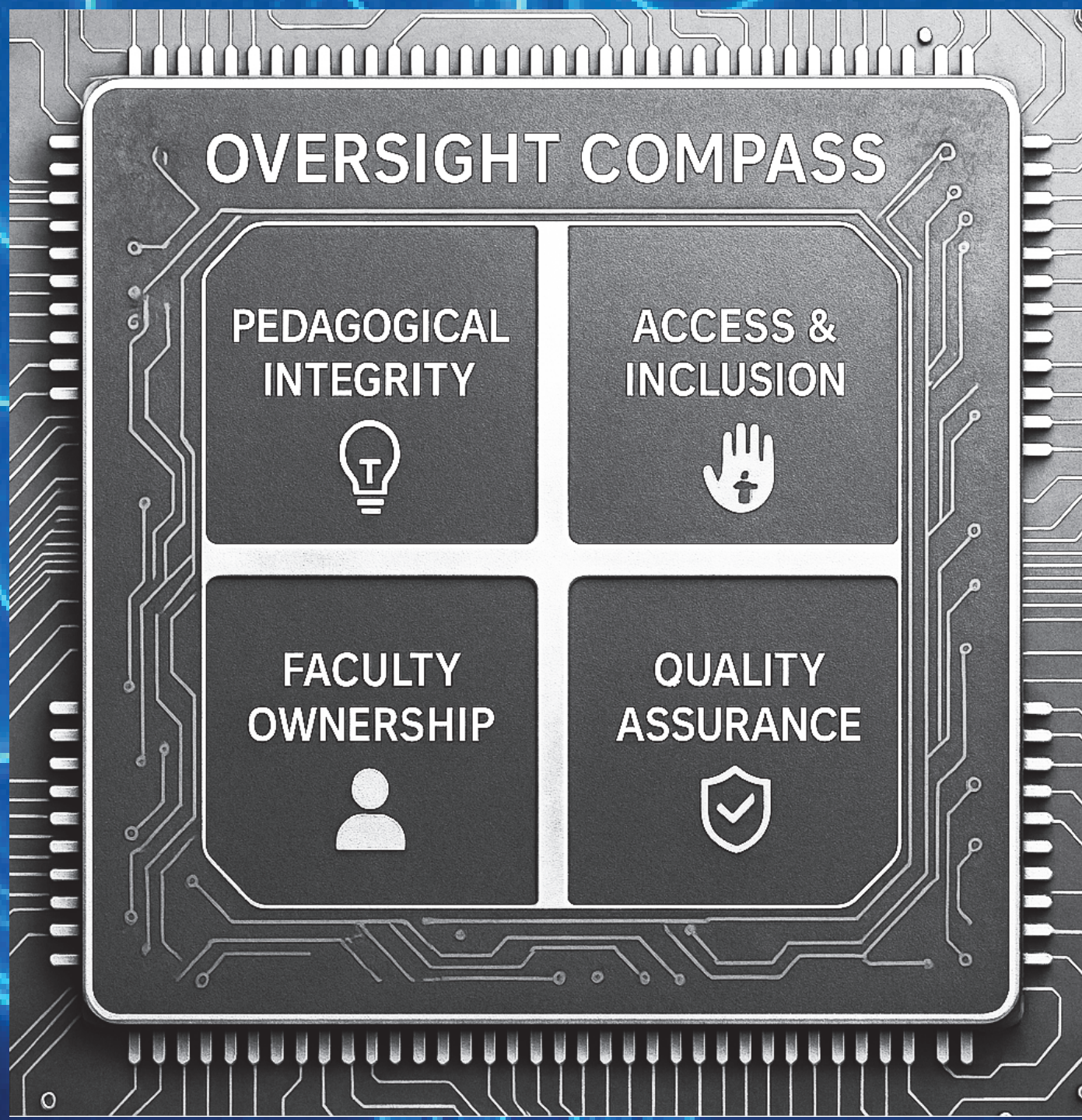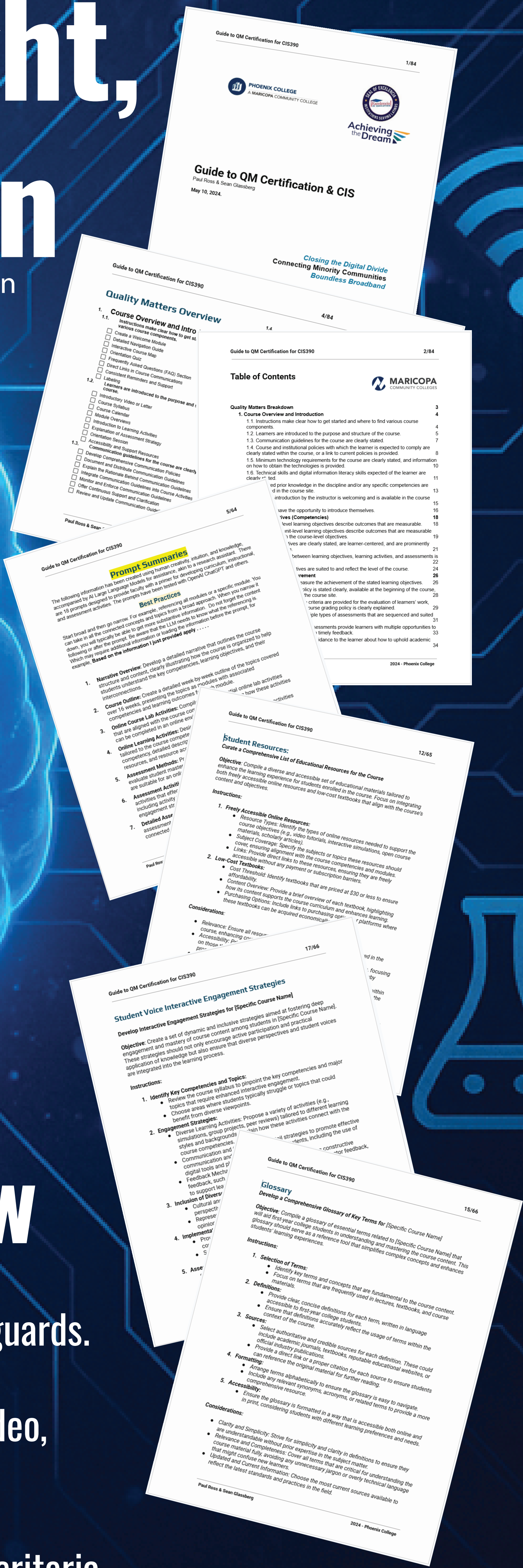
Pedagogical Integrity

What it means: Every activity, resource, and assessment serves a clearly stated learning objective—nothing extraneous, nothing missing. Cognitive demand (Bloom's level) is consistent from objective, activity, assessment.
How we check it: Outcome–Activity–Assessment alignment matrix; verb matching; workload and sequencing fit; feedback cadence.
AI assists by: Drafting alignment matrices, spotting verb/measure mismatches, proposing practice scaffolds, and generating formative checkpoints tied to objectives.
Risks & safeguards: Over-scaffolding or generic outputs that dilute rigor, require ID–faculty review and targeted prompt constraints ("retain instructor voice," "match Objective II at Analyze level").
Risks & safeguards: Alignment matrix, assessment blueprint, exemplar feedback rubrics.

Access & Inclusion

What it means: All learners can engage the course regardless of device, bandwidth, ability, language background, or prior preparation. Materials follow accessibility standards and offer multiple pathways to mastery.
How we check it: Alt text, captions/transcripts, color/contrast checks, document structure; low-bandwidth alternatives; transparent policies and support links; affordability/availability of tools.
AI assists by: Generating alt text and transcript summaries, flagging inaccessible formats, proposing lower-cost or open alternatives, and rewriting directions for clarity/reading level.
Risks & safeguards: Hidden bias or culturally narrow examples, require customized prompts, human cultural review, and a "cost & access" checklist per module.
Risks & safeguards: Accessibility checklist, inclusive language pass notes, alternative media list.

Faculty Ownership

What it means: The course reflects faculty expertise and pedagogical intent. AI is a tool, not an author; final decisions and voice remain with the instructor.
How we check it: Version history shows human edits; instructor introductions and rationales; assessment criteria authored/approved by faculty; citation of discipline sources chosen by faculty.
AI assists by: Providing structured drafts, options, and exemplars that faculty customize; accelerating routine tasks (e.g., schedule tables, rubrics) while preserving tone.
Risks & safeguards: Style homogenization or "AI drift" from discipline norms, rompts enforce "retain faculty voice," IDs request pinpoint edits (not rewrites), and authors sign off on final text.
Risks & safeguards: Prompt sets used, revision log with rationales, faculty sign-off on each module.

Quality Assurance

What it means: The course consistently meets Quality Matters (QM) standards and internal review criteria, with traceable evidence for each checkpoint and a cadence for continuous improvement.
How we check it: Internal pre-review against QM rubric; peer review notes; data from LMS (engagement, item analysis, completion) feeding scheduled tune-ups; change logs.
AI assists by: Generating QM-checkpoint checklists, pre-review summaries, and evidence packets; surfacing analytics patterns (e.g., confusing pages, weak items) for human judgment.
Risks & safeguards: "Checklist compliance" without learning impact, require data-informed reflection prompts and post-implementation reviews tied to outcomes, not just artifacts.
Risks & safeguards: QM tracker spreadsheet, reviewer notes, improvement backlog with dates/owners.

OVERSIGHT COMPASS

PEDAGOGICAL INTEGRITY | ACCESS & INCLUSION

FACULTY OWNERSHIP | QUALITY ASSURANCE

Framework Overview

Guided AI Protocol
Pacing tools, prompt templates, bias/misalignment safeguards.

Human Collaboration
Faculty > Instructional Designers feedback loop via video, LMS comments, and co-working

Retrofit Path
AI-assisted enhancement of existing courses to meet QM criteria.