COURSE SYLLABUS

AI for Project Management Course

This course provides a practical overview of how artificial intelligence can enhance project management outcomes, simplifying complex AI concepts and outlining actionable steps for integrating AI into project workflows.

For more information, visit
https://www.creativelive.com/classes/ai-for-project-management



Course Outline

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Module 1: AI 101 for Project Managers

- Define artificial intelligence and distinguish narrow vs. general AI
- Introduce core concepts: natural language processing (NLP), machine learning (ML), and generative AI
- Debunk common myths and set realistic expectations for AI capabilities and limits

Module 2: Why AI for Project Management

- Examine how AI is changing the modern workplace and project environments
- Map AI-enabled skills to PMI's Talent Triangle® (Ways of Working, Power Skills, Business Acumen)
- Identify future-readiness steps for managing projects alongside AI tools

Module 3: AI Applications for Project Management — Planning

- Use AI to clarify project charters, scope statements, and WBS drafts
- Leverage AI for requirements gathering, stakeholder analysis, and risk identification prompts
- Apply AI-assisted estimation and scenario exploration to inform baselines

Module 4: AI Applications for Project Management — Scheduling, Risk, & Communications

- Generate schedule drafts, dependencies, and what-if analyses with AI assistants
- Strengthen risk analysis with pattern detection, probability cues, and mitigation optioning
- Enhance reporting and stakeholder communications with AI-written summaries and visuals

Module 5: Ethical, Legal, and Practical Considerations

- Address bias, privacy, transparency, and data provenance in federal contexts
- Define appropriate human-in-the-loop controls and oversight
- Align usage with federal AI guidance, policies, and compliance requirements

Module 6: Preparing for AI Integration

- Create a strategy for selecting, piloting, and scaling AI use cases
- Develop a communication plan for stakeholders, leadership, and teams
- Incorporate change management, training, and governance into rollout plans