PMI Construction Professional (PMI-CP)

OEM: PMI • Duration: 5 Days (40 hrs) • Code: PMI-CP

COURSE MODULES & TOPICS

Domain 1: Contracts Management

- Manage Risks and the Risk Process for Construction Projects
- Apply Different Risk Classifications Appropriately
- Use Integrated Project Risk Assessment (IPRA) Tool
- Apply Risk Management Tools and Techniques (Monte Carlo Simulations)
- Manage the Claims Process — Prevention and Dispute Resolution
- Distinguish Between Change/Variation Orders and Claims
- Manage the Contract Lifecycle from Discovery to Close Out
- Utilise Lean Integrated Project Delivery and IFOA
- Implement the Interface Management Process
- Establish and Plan Interface Points Between Packages
- Develop Communication, Relationship Management, and Negotiation Skills

Domain 2: Stakeholder Engagement

- Utilise Communication Tools Appropriately — PMIS, Obeya/Big Room
- Apply Commitment-Based Management Across Projects
- Highlight Communication Deficiencies with Compass Tool
- Develop Effective Communication Strategy for All Needs
- Craft Messaging for Tailored Audience Understanding
- Implement Feedback Loops to Highlight and Resolve Gaps
- Overcome Resistance and Secure Support Through High-Impact Communication
- Identify and Assess Stakeholders to Establish Effective Communication Strategy
- Recognise Role of Culture in Stakeholder Communication

Domain 3: Strategy and Scope Management

- Drive Projects Focusing on Outcomes or Missions
- Implement Scope Revisions for Mature Project Scope
- Create Robust Change Order Process
- Design Agile Processes for Efficient Change Management
- Recognise Technology's Benefits and Downfalls in Scope Management
- Use Scope Evaluation Tools to Identify Gaps

- Manage and Pivot Scope with Value Engineering and Cost-Benefit Analysis

Domain 4: Project Governance

- Implement Governance Models to Drive Project Outcomes
- Set Up Scope Governance Structures and Practices on Built Environment Projects
- Develop and Apply Methods, Tools and Techniques to Develop and Manage Project Scope

Domain 5: Scheduling

- Develop and Manage Construction Project Schedules
- Apply Critical Path Method (CPM) and Resource Levelling
- Manage Schedule Risk and Recovery Strategies
- Use Technology and Scheduling Software for Construction Projects

Domain 6: Cost Management

- Develop and Manage Project Budgets for Built Environment
- Apply Earned Value Management (EVM)
- Manage Cost Risk and Cost Recovery
- Implement Cost Control Processes and Reporting

Domain 7: Quality, Safety, and Regulatory Compliance

- Implement Quality Management in Construction
- Apply Safety Standards and Regulatory Requirements
- Manage Inspections and Compliance Audits
- Drive Zero-Harm Culture and Safety Best Practices

Domain 8: Sustainability

- Apply Sustainability Principles to Construction Projects
- Manage Environmental Impact and Waste Reduction
- Implement Green Building Practices and Certifications
- Balance Sustainability Goals with Project Constraints

Domain 9: Data and Technology

- Leverage Construction Technology (BIM, Digital Twins, Drones)
- Apply Data Analytics for Improved Decision-Making
- Integrate Technology into Project Controls
- Manage Change from Technology Adoption in Built Environment