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- Construction Project Management Course Outline

Program Outline Part I: Project Management Ready – 7 Weeks

	Community Service Projects	Project Management Ready Construction Project Management Training	Project Management – Construction Project Management Practicum	Total Hours
Week 1: Project Management Terms, Project Management Planning, Project Baselines, Ethics in project Management and Stakeholder Register, Change Management, Breakdown Structures and Stakeholder Analysis		6 hours	10-24 hours	16-30 hours
Week 2: Tools for Project Management and Project Management Types; : Stakeholder Roles, Communication Plans, and Project Requirements Gathering; Tools For Requirements Gathering, Project Road Maps, Traceability Matrix, Product and Sprint Back Log		6 hours	10-24 hours	16-30 hours
Week 3: Traditional Versus Waterfall Methodologies and Project Scheduling; Project Scheduling Resource and Time Estimations; Work Breakdown Structures, Schedule Dependencies, and Critical Path		6 hours	10-24 hours	16-30 hours
Week 4: Project Controls and Project Economic Models; Agile Project Management, Agile Framework, and Pros/ Cons Of Agile Project: Agile Metrics, Roles, & Responsibilities, Best Practices For The Agile Team, and Monitoring, Agile Projects; Agile Frameworks, Agile Project Management Deliverables, and Vertical Task Decomposition		6 hours	10-24 hours	16-30 hours
Week 5: Lead A Project; Practice Project Ready Exams	20 hours	10 hours		30 hours
Week 6: Lead A Project; Practice Project Ready Exams	20 hours	10 hours		30 hours
Week 7: Practice Exam and Project Ready Certification Exam		27 hours	3 hours	30 hours

Program Outline Part II: CAPM – Construction Project Management 7 Weeks

	Community Service Projects	Project Management Construction CAPM Training	Project Management Construction Management Application	Total Hours
Domain 1 Project Management Fundamentals and Core Concepts				
Week 8: Task 1 - Demonstrate an understanding of the various project life cycles and processes. Task 2: Demonstrate an understanding of project management planning. Task 3: Demonstrate an understanding of project roles and responsibilities.		6 hours	10-24 hours	16-30 hours
Week 9: Task 4: Determine how to follow and execute planned strategies or frameworks (e.g., communication, risks, etc.). Task 5: Demonstrate an understanding of common problem-solving tools and techniques		6 hours	10-24 hours	16-30 hours
Domain 2 Predictive, Plan-Based Methodologies				
Week 10: Task 1: Explain when it is appropriate to use a predictive, plan-based approach. Task 2: Demonstrate an understanding of a project management plan schedule. Task 3: Determine how to document project controls of predictive, plan- based projects.		6 hours	10-24 hours	16-30 hours
Domain 3 Agile Frameworks/Methodologies				
Week 11: Task 1: Explain when it is appropriate to use an adaptive approach Task 2: Determine how to plan project iterations. Task 3: Determine how to document project controls for an adaptive project. Task 4: Explain the components of an adaptive plan. Task 5: Determine how to prepare and execute task management steps.		6 hours	10-24 hours	16-30 hours
Domain 4 Business Analysis Frameworks				

Week 12:		6 hours	10-24 hours	16-30 hours
Task 1: Demonstrate an understanding of business analysis (BA) roles and responsibilities. Task 2: Determine how to conduct stakeholder communication. Task 3: Determine how to gather requirements Task 4: Demonstrate an understanding of product roadmaps. Task 5: Determine how project methodologies influence business analysis processes. Task 6: Validate requirements through product delivery				
Week 13: Lead A Project, Practice Exam	20 hours	10 hours		30 hours
Week 14: Practice Exam & Certification Exam		27 hours	3 hours	30 hours

Construction Project Management Specialization 12 Weeks

Construction Professional in Built Environment Projects (PMI-CP)™	Construction Project Management training	Construction Project Management Apprenticeship
Week 15: **Project Communication Pro** : Understand the principles of effective communication in construction projects, including how to overcome cultural communication differences.	6-8 hours	20-30 Hours
Week 16: **Project Communication Pro** : Micro credential Exam	4 hours	20-30 Hours
Week 17: **Performance and Materials Management Pro** Drive metrics-oriented performance management processes to increase transparency, reduce waste, and proactively address global supply chain challenges.	6-8 hours	20-30 Hours
Week 18: **Performance and Materials Management Pro** Micro credential Exam	4 hours	20-30 Hours
Week 19: **Technology and Innovation Pro** Lead profitable execution of construction projects by understanding how to implement modern technologies and innovations across various project teams and organizational cultures	6-8 hours	20-30 Hours
Week 20: **Technology and Innovation Pro** Micro credential Exam	4 hours	20-30 Hours
Week 21: **Interface Management** Master the essential skill of managing communications, relationships, and deliverables among various stakeholders in large, complex construction projects.	6-8 hours	20-30 Hours
Week 22: **Scope and Change Order Management** Learn to take control of scope creep and effectively manage change orders in large engineering and construction projects Task 1: Understand the Disciplined Agile.	6-8 hours	20-30 Hours
Week 23: **Contract and Risk Management** Understand best practices to implement throughout the contract lifecycle and how to prioritize project risks to ensure that high impact risks are managed effectively.	6-8 hours	20-30 Hours
Week 24: **Execution Planning** Discover new planning and execution approaches to improve project outcomes at all stages of the project life cycle, including Advanced Work Packaging (AWP), Last Planner System (LPS), and more.	6-8 hours	20-30 Hours
Week 25: Study Week & Exam: (PMI-CP)™	40 hours	