

# Construction Project Management Course Outline

## Course Duration

26 Weeks

## Course Outline

### Advance Your Career in Construction Project Management

Gain the skills, certifications, and hands-on experience needed to excel in the construction industry with CAVALRY's specialized training programs. Our comprehensive courses—ranging from Project Management Ready to CAPM® and PMI-CP™ certifications—equip you with in-demand expertise in Agile methodologies, risk management, contract negotiation, and cutting-edge construction technology.


With a structured curriculum covering project scheduling, stakeholder communication, performance management, and execution planning, you'll develop the leadership and problem-solving abilities essential for high-impact roles. Earn globally recognized certifications, enhance your career prospects, and confidently lead construction projects with industry best practices.

Take the next step in your professional journey—enroll today!




## CONTACT LARRY EDMOND

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# Program Outline Part I: Project Management Ready

## Course Duration

7 Weeks

## Course Outline

	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

# Program Outline Part I: Project Management Ready

	COMMUNITY SERVICE PROJECTS	PROJECT MANAGEMENT READY CONSTRUCTION PROJECT MANAGEMENT TRAINING	PROJECT MANAGEMENT – CONSTRUCTION PROJECT MANAGEMENT PRACTICUM	TOTAL 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	6 hours	10-24 hours	16-30 hours
Week 6: Lead A Project; Practice Project Ready Exams	20 hours	6 hours	10-24 hours	16-30 hours
Week 7: Practice Exam and Project Ready Certification Exam				

# Program Outline Part II: CAPM®

	COMMUNITY SERVICE PROJECTS	PROJECT MANAGEMENT CONSTRUCTION CAPM TRAINING	PROJECT MANAGEMENT CONSTRUCTION MANAGEMENT APPLICATION	TOTAL HOURS
<b>Domain 1 Project Management Fundamentals and Core Concepts</b>				
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
<b>Domain 2 Predictive, Plan-Based Methodologies</b>				
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

# Program Outline Part II: CAPM®

	COMMUNITY SERVICE PROJECTS	PROJECT MANAGEMENT READY CONSTRUCTION PROJECT MANAGEMENT TRAINING	PROJECT MANAGEMENT – CONSTRUCTION PROJECT MANAGEMENT PRACTICUM	TOTAL HOURS
<b>Domain 3 Agile Frameworks/Methodologies</b>				
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
<b>Domain 4 Business Analysis Frameworks</b>				
Week 12: 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		6 hours	10-24 hours	16-30 hours
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

	CONSTRUCTION PROJECT MANAGEMENT TRAINING	CONSTRUCTION PROJECT MANAGEMENT APPRENTICESHIP
Week 15: <b>Project Communication Pro</b> : Understand the principles of effective communication in construction projects, including how to overcome cultural communication differences.	6-8 hours	20-30 hours
Week 16: <b>Project Communication Pro</b> : Micro credential Exam	4 hours	20-30 hours
Week 17: <b>Performance and Materials Management Pro</b> 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: <b>Performance and Materials Management Pro</b> Micro credential Exam	4 hours	20-30 hours
Week 19: <b>Technology and Innovation Pro</b> 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: <b>Technology and Innovation Pro</b> Micro credential Exam	4 hours	20-30 hours
Week 21: <b>Interface Management</b> 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: <b>Scope and Change Order Management</b> 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: <b>Contract and Risk Management</b> 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

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	CONSTRUCTION PROJECT MANAGEMENT TRAINING	CONSTRUCTION PROJECT MANAGEMENT APPRENTICESHIP
Week 24: <b>Execution Planning</b> 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) <sup>™</sup>	40 hours	


## Ready to Get Started?

Join us today and start your journey toward a successful career in project management with CAVALRY!




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