



CONSTRUCTION PROJECT MANAGEMENT (CPM)



COURSE OVERVIEW

The Construction Project Management (CPM) training course is a 3-day equivalent, intermediate level course covering the principles, processes, tools and techniques of project management in an engineering and construction context.

This course is based on the internationally recognised Project Management Body Of Knowledge (PMBOK[®] Guide) and its Construction Extension published by the Project Management Institute (PMI[®]) in the USA. It has been adapted to the South African built environment and takes the learner through the 6 stages of a project life cycle from Initiation and Briefing, Concept and Feasibility, Design Development, Tender Documentation and Procurement, Construction Documentation and Management, and finally Project Close-Out.

WHO SHOULD ATTEND?

Anybody preparing for registration or interview with the SACPCMP as a Professional Construction Project Manager, Construction Project Managers, Functional Managers, Project Sponsors, Architects, Quantity Surveyors, etc. will find this course invaluable, as will those wanting to earn CPD's (SACPCMP) or PDU's.

ACCREDITATION

The CPM course is validated by the South African Council for the Project and Construction Management Professions (SACPCMP) validation number SACPCMP/CPD/12/023/RV for 15 CPD hours.

BENEFITS

Attending the CPM course will provide knowledge and skills to establish a solid framework for consistently managing successful projects by drawing up a comprehensive Project Management Plan covering the following topics: Scope Management, Schedule Management, Cost Management, Financial Management, Quality Management, Resource Management, Communications Management, Risk Management, Procurement Management, Integration Management, Claims Management, Contract Law, Health & Safety Management and Environmental Management.



WHY OUR COURSE?

ProjectPro is dedicated to enhancing project management and the status of the project management profession through delivery of accredited project management services and training solutions. Validated by the SACPCMP, we have developed the Construction Project Management short course to assist prospective Construction Project Managers to pass the SACPCMP Test of Professional Competency and the Professional Interview in order to be awarded the PrCPM credential. This 3-day Construction Project Management course, validated for 15 CPD hours with the SACPCMP, will be of interest to the following practitioners:

- ◆ Prospective Construction Project Managers wishing to register with SACPCMP as PrCPM
- ◆ Candidate Construction Project Managers wishing to register in future as a PrCPM
- ◆ PrCPM's who wish to obtain Continuing Professional Development (CPD) points to retain their PrCPM status
- ◆ Project Management Professionals (PMP's) who would like to earn Professional Development Units (PDU's) for PMP® recertification
- ◆ Anyone who wishes to obtain a better understanding of Construction Project Management.

SUCCESSFUL CANDIDATE TESTIMONY

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Dear ProjectPro,

I would like to inform you that the SACPCMP council have approved my application to register as a Professional Construction Project Manager. I passed my interview 1st time.

Please pass my gratefulness to the facilitator for a great preparation course. He nailed it on the head. I was more than ready when I went for my interview.

Regards

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Joshua Maroge



BLENDING VIRTUAL COURSE PROGRAMME



Construction Project Management

Session 1a - The Built Environment

- ◆ Brief history of Modern Construction Project Management
- ◆ SACPCMP: Registering as a Construction Project Manager (Pr. CPM) and Construction Manager (Pr. CM)
- ◆ Continuing Professional Development (CPD) requirements
- ◆ Identification of Work and Scope of services for Pr.CPM
- ◆ Principal Agent and Principal Consultant

Session 1b - Project Management Foundation

- ◆ The Project Management Body of Knowledge
- ◆ The nature of a project
- ◆ PM Definitions
- ◆ Programme and Portfolio management
- ◆ Identifying Stakeholders
- ◆ Project and Product Success
- ◆ Product and Project Life Cycles
- ◆ Life Cycle Costing
- ◆ Project Phases

Session 2a - Environmental Management

- ◆ Environmental Planning, Assurance and Control
- ◆ Environmental Impact Assessment (EIA)

Session 2b - Scope Management

- ◆ Business Case
- ◆ Project Charter
- ◆ Project kick-off workshop
- ◆ Scope Statement
- ◆ Work Breakdown Structure
- ◆ Procurement Statement of Work (PSOW) from engineering and contracting perspectives

Session 3a - Schedule Management

- ◆ Project Network Diagrams
- ◆ Critical Path
- ◆ Dependencies
- ◆ Compressing the Project Schedule
- ◆ How computer software helps plan, monitor and control projects

Session 3b - Financial and Cost Management

- ◆ Financial versus Cost Management
- ◆ Cost Classifications
- ◆ Sensitivity Analysis
- ◆ Cost estimating techniques
- ◆ Earned Value Management
- ◆ Earned Value and performance measurement

Session 4a - Quality Management

- ◆ Quality Processes: Planning, Assurance and Control
- ◆ Fundamental Quality Principles
- ◆ Cost of Quality
- ◆ PDCA Cycle

Session 4b - Resource Management

- ◆ The stages of team development
- ◆ Team Motivation
- ◆ Organisational Structures
- ◆ Responsibility Assessment Matrix

Session 5a - Health and Safety Management

- ◆ Health and Safety Management
- ◆ Safety Planning, Execution, Administration and Reporting
- ◆ Challenges in the Building Industry (Housing defects)
- ◆ Safety Statistics
- ◆ Duties of the Client

Session 5b - Communications Management:

- ◆ Communication Mechanism
- ◆ Formal and informal communication structure, processes and procedures
- ◆ Project reporting and meetings
- ◆ Effective Meetings
- ◆ Lines of communications

Session 6a - Risk Management

- ◆ SWOT Analysis
- ◆ Risk Management Process
- ◆ Risk Assessment
- ◆ Reserves and Contingencies
- ◆ Risks versus Issues

Session 6b - Procurement Management

- ◆ Types of Contract (Procurement policy)
- ◆ The Tendering Process
- ◆ Contract Law
- ◆ Insurances
- ◆ Certificate of Practical Completion, Works Completion List, As-built drawings, etc.

Session 7a - Claims Management

- ◆ Claim prevention, identification and resolution

Session 7b - Stakeholder Management

- ◆ Stakeholder management processes
- ◆ Stakeholder Management Plan
- ◆ Stakeholder register and analysis
- ◆ Power/Interest Grid
- ◆ Manage stakeholder engagement

Session 8a - Integration Management ◆

- ◆ The role of the Project Management Plan ◆ Change Control
- ◆ Project close-out
- ◆ Knowledge assessment: PM Test
- ◆ Course evaluations and close-out

Session 8b - Knowledge Assessment & Recap

- ◆ To test your mastery of the course material