PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: Complex Project Management (CPM)	**Course Duration**: 3.0 Days
Exam: Included	**Exam Type**: Proctored Exam
Qualification: Complex Project Management (CPM) Certificate	

Course Syllabus

Our Complex Project Management (CPM) training course will cover the following modules:

Module 1: Considering the Limits of Conventional Project Management

- Stretching the limits of conventional project management
- Rethinking the future of project management

Module 2: Defining Complexity Science, Chaos Theory and Project Complexity Factors

Introducing complexity science and chaos theory

- Comparing and contrasting simple and complex systems
- Applying various complexity modelling techniques

Adopting the four-dimensional project complexity diagnostic tool

- Analysing project boundary conditions to understand the complexity of your project
- Determining the edge of chaos
- Assessing the significance of complex project risks
- Communicating project complexity factors to others

Module 3: Employing an Adaptive Project Management Process

Beginning with adaptive principles

- Building with Agile software development
- Borrowing from the combat operations loop and the scientific method

The four-step adaptive project management process

- Implementing rolling wave planning and progressive elaboration
- Managing adaptive requirements, change and quality
- Scheduling, budgeting and metrics on complex projects

Module 4: Minimising Scale on Strategic Projects

Aligning with corporate strategy and value engineering

- Executing portfolio management strategies
- Making the business case and delivering value
- Utilising business capability and purpose alignment models

Developing small, strategic batches of work

- Applying Van Creveld's Iron Rule and Occam's Razor
- Delivering minimal marketable features

Module 5: Managing Pace on Complex Projects

Maintaining control through speed and agility

- Dealing with daily disruptions
- Employing fast-tracking and crashing
- Compressing the critical path

Incorporating Critical Chain and Lean techniques

- Evaluating Critical Chain project management
- Employing the theory of constraints and five focusing steps to eliminate waste and optimise flow

Module 6: Exercising Strong Leadership

Leading adaptive teams

- Developing your core competencies
- Growing your sphere of influence and managing politics

Building CRACK teams

- Facilitating emergent organisation and self-management
- Agreeing on vision, goals, objectives and values
- Empowering and motivating the team
- Implementing effective feedback loops

Module 7: Recognising and Managing Risks

Identifying and managing risks with scenario modelling

- Quantifying and mitigating risk threats
- Exploiting risk opportunities for disruptive innovation

Implementing probabilistic estimating tools and techniques

- Managing precision and accuracy
- Correcting estimating bias and reducing variability
- Revisiting the cone of uncertainty and order of magnitude estimating
- Leveraging PERT, Monte Carlo and Agile techniques

Module 8: Building Your Personal Action Plan

- Putting it all together
- Analysing a real-world case study
- Assessing your own real-world projects
- Identifying specific actions you will take
- Gaining support and managing risks

Course Overview

Our three-day Complex Project Management (CPM) training course will give you the knowledge to assess, communicate and manage complex projects. Gain a deep understanding of essential influencers of project success or failure and a tool set to address the specific issues for your complex project.

Course Learning Outcomes

Our Complex Project Management (CPM) training course will teach you how to:

- Incorporate the science of complexity into project management strategies
- Manage complex projects involving strategic risks
- Apply a complexity assessment model and adaptive process
- Minimise uncertainty by leveraging best practices from Critical Chain, Agile, and Lean approaches
- Test your knowledge in the included end-of-course exam
- Leverage continued support with after-course one-on-one instructor coaching and computing sandbox
- Continue learning and face new challenges with after-course one-on-one instructor coaching

Audience

Our Complex Project Management (CPM) training course will benefit several individuals and organisations including but not limited to:

- Project Managers
- Program Managers
- Product Managers
- Risk Managers
- Engineers and Technical Specialists
- Business Analysts
- Leaders and Executives
- Consultants
- Healthcare Administrators
- Supply Chain and Logistics Professionals
- Academics and Researchers
- Anyone involved in project management, whether in traditional business settings or specialized fields, can benefit from learning Complex Project Management (CPM)

Entry-Level Requirements

There are no entry-level requirements our Complex Project Management (CPM) training course, although some experience will aid attendees.

Recommended Reading

There is no recommended reading for our Complex Project Management (CPM) training course.

What's Included

Our Complex Project Management (CPM) training course includes the following:

- 3-day instructor-led training course
- After-course instructor coaching benefit
- Learning Tree end-of-course exam included
- Pre-reading
- Course Manuel
- Quizzes
- Exercises

Exam Information

Complex Project Management (CPM) Examination:

- Format: Multiple Choice
- Questions: 40
- Pass Mark: 70% (28/40 correct answers)

What's Next

You may enjoy our three-day Software Project Management training course

Our three-day Software Project Management training course will teach you the basics of software development project management under the Waterfall and Agile methodologies.

Software project management is essential for ensuring that software projects are completed successfully, meeting the intended goals and objectives. Various project management methodologies, such as Agile, Waterfall, Scrum, and others, can be employed depending on the project's characteristics and requirements.

Additional Information

Our Complex Project Management (CPM) training course offers several benefits to individuals and organisations. Including but not limited to:

- **Improved Project Success Rates**: CPM equips IT professionals with the tools and techniques needed to manage complex IT projects effectively.
- **Risk Mitigation**: IT projects often involve significant technical and operational risks.
- **Enhanced Scope Management**: IT projects frequently experience scope changes and evolving requirements.
- **Cost Control**: CPM provides tools for accurate cost estimation and monitoring.
- **Quality Assurance**: CPM encourages a focus on quality throughout the project lifecycle.
- **Career Advancement**: IT professionals with CPM skills are often more attractive candidates for leadership roles within IT departments and organisations.
- **Efficient Resource Allocation**: CPM emphasizes resource management, enabling IT teams to allocate personnel, hardware, and software resources optimally to meet project objectives within budget constraints.