Complex Project Management

Category: Project Management & Business Skills | **Vendor:** PeopleCert / PRINCE2

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Learn Complex Project Management in this intensive real-world, three-day project scenario training course. Learn how 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.

Managing complex projects is much more than applying a set of standard practises. This course will help you recognise the level of complexity early, establish the proper initial conditions, and communicate the drivers of success and failure to management, stakeholders and the project team.

About This Course

Learn Complex Project Management in this intensive real-world, three-day project scenario training course. Learn how 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.

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Prerequisites & Entry Requirements

General Prerequisites:

Solid understanding of conventional project management at the level of:

- Project Management: Skills for Success, or
- Project Management for Software Development

Learning Outcomes

Upon successful completion of this course, participants will be able 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

Detailed Course Outline

Considering the Limits of Conventional Project Management

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

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

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

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

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

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

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

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

Skills You Will Learn:

- 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

Frequently Asked Questions

Q: What delivery options are available for Complex Project Management?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Complex Project Management course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Complex Project Management training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Complex Project Management?

Yes, we provide corporate training, dedicated training, and closed classes for Complex Project Management. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Complex Project Management, Project Management, CPM

Q: Why choose Nexus Human for Complex Project Management?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Complex Project Management training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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