

PM 36
4 days

Practical Project Management with PRINCE2

This course builds on the PRINCE2 Project Management methodology and provides training in the tools and techniques necessary to run a successful IT project. The course is structured around PRINCE2, making it particularly relevant to the real world. The focus is on the practicalities of how to achieve “on time and on budget” delivery of successful final Product to demanding end-users, using proven tools and methods within a PRINCE2 framework. Attendees of this course will understand how to select an appropriate software lifecycle, understand how to combine PRINCE2 methods with “best-of-breed” IT development techniques such as Rational’s RUP, or Scrum, define a build-strategy, perform realistic estimations, produce a working Project Plan, which will deliver the projects Products. Core technologies addressed within the course include OO, UML, Test-tools, Estimation techniques, Requirements Management, Acceptance Test design, Inspections and Extreme programming techniques. Knowledge of PRINCE2 although useful, is not a prerequisite as a review of core PRINCE2 is provided. The training is with a PRINCE2-certified instructor, and is instructor-led, with extensive exercises and discussion sessions. Attendees will receive extensive classroom materials, white papers and example project planning documents and estimation toolsets.

Course Objectives

The course covers:

- Project Business Case
- PRINCE2 overview
- Integrating SDLC with PRINCE2
- Customer Management
- Software lifecycles - RAD, RUP, DSDM, XP, Staged, Waterfall, Work breakdown analysis
- Estimation and estimation-tools
- Team organisation
- Requirements gathering and management
- Acceptance test design
- Inspections and reviews
- Time management
- Quality Processes
- Configuration Control
- Implementation Strategies
- Risk Management
- Choosing your Management Techniques
- Monitoring Techniques
- Earned Value Analysis
- Making Best Use of Your Team
- Project Planning / Critical Path
- Project Planning/ Critical Chain
- Project Tracking and Control
- Project Review and Closure
- Getting Acceptance

Audience

- Project Managers
- Lead analyst / programmers
- Technical staff moving into a Prince project
- Staff expecting to move into the Project Manager role
- Management wanting to familiarize themselves with current technology.
- Completers of PRINCE2 courses

Prerequisites

- Exposure to software development
- Familiarity with multi-person projects

Timetable

Register at 09:00 on day one for 09:30 start. 09:00 start on successive days. Finish at 17:00 each day.

Presentation Style

Lectures, demonstrations, exercises and group discussions.

Dates and Venues

Refer to *Course Schedules*.

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<p>Introduction to PRINCE2</p> <ul style="list-style-type: none">Benefits of PRINCE2PRINCE2 Process ModelComponentsTechniquesProject Manager ToolkitGetting to WOW! <p>Software Development Lifecycles using PRINCE2</p> <ul style="list-style-type: none">RADSpiralWaterfallV-ModelStagedExtreme ProgrammingRUP and PRINCE2DSDM and PRINCE2The CMM <p>Requirements Management</p> <ul style="list-style-type: none">Business Case Development (ch13)Good Requirements and how to get themFunctional RequirementsNon-functional RequirementsAssumptionsJAD, Use Cases Prototypes, Story BoardsPrioritisation, MoSCoW RulesBunchingChange Control - Managing Changing RequirementsChange Log <p>Implementation Strategies</p> <ul style="list-style-type: none">Low-risk DevelopmentNail DrivingInspectionsReviewsFour-EyesXP <p>Organisation</p> <ul style="list-style-type: none">Organisation (ch14)Project BoardRolesStaffing (SU1 - 3)Resource Planning (SU1 - 3 + Plans)	<p>Project Composition - Off-the-Shelf Packages</p> <ul style="list-style-type: none">Evaluating the Options (SU5)Managing UpdatesIntegration effort <p>Initiating a Project</p> <ul style="list-style-type: none">The PIDCommunication (IP4)Team Approach to Decision MakingLeadershipGetting Buy-in (DP1) <p>Quality in a Project Environment</p> <ul style="list-style-type: none">PRINCE2 Quality Path (p255)Quality Processes (Ch 18)Quality Planning (IP1)Configuration Control (Ch 19)Testing and Test StrategiesTest Design and AutomationValidation & VerificationDesigning Acceptance TestsQuality Review Technique <p>Management of Risk (ch17)</p> <ul style="list-style-type: none">Risk AnalysisRisk ToleranceRisk ManagementRisk Log <p>Repeatable Design Techniques</p> <ul style="list-style-type: none">OO DesignUML, Use Cases and Class DiagramsReuse and reusabilityDesign Tools, Rose, TogetherSoft, Visio <p>Product Based Planning (ch11, 15, 22)</p> <ul style="list-style-type: none">Product Based PlanningEstablishing a Project Lifecycle MappingResource Allocation and SchedulingPBS, Gantt and Pert ChartsTask PlanningCritical ChainReports and ReportingCosting	<p>Estimating the Task (ch11)</p> <ul style="list-style-type: none">Estimation techniquesAnalogueDelphiKLOCsFunction PointsCoComo"Been There- Done That"OO Estimation <p>Controlling a Stage + Managing Stage Boundaries (ch 7 + 9)</p> <ul style="list-style-type: none">Base-lining Your ProjectProgress MonitoringDefining TolerancesManagement TechniquesManagement by Exception (ch16)Critical Path MonitoringTime ManagementMonitoring TechniquesMicro MilestonesTime BoxingDaily Build and SmokeWhen to Re-planReview and ReschedulingCustomer negotiationsRecovery techniques <p>Managing Product Delivery</p> <ul style="list-style-type: none">WorkpackagesPlanning for DeliveryDeployment TeamsCut-over Techniques and PlanningData TakeoverGraceful Back-outAcceptance Testing CriteriaCheck pointing & Highlights <p>Closure (ch10)</p> <ul style="list-style-type: none">HandoverPost Project Review <p>Key Topics Review</p> <ul style="list-style-type: none">Elements of Planning and ControlRequirements vs. Acceptance TestsSuccessful Delivery
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