

## Managing Iterative Software Development

A class on the iterative project management of software development projects

**Delivery:** On-site

**Course Length:** 3 days

**Course Approach:** Lecture, discussions, workshops

**Level:** Intermediate

### Course Description

This 3-day class is intended to equip project managers with the skills they need to successfully manage iterative software development projects.

The course is independent of the particular software development process being followed.

For on-site delivery the course and its examples can be adapted to reflect the organisation's chosen development and management processes. For example additional material is available to illustrate how iterative development can be managed within a PRINCE2® project environment. Throughout the class, common problems and their solutions will be explored.

### Objectives

Upon completion of the course, participants will understand:

- the principles of iterative project management
- the role and nature of the anchor points of an iterative project
- the lifecycle of an iterative project and how to use it to control the project
- how to use risk to steer the project
- appropriate team structures and responsibilities
- how to plan, manage and assess an iteration
- how to plan, manage and assess a project
- which metrics to collect to control an iterative project
- which project management products to produce and when
- which development products to monitor
- how to handle and interpret estimates
- how the dynamics of the project change across the lifecycle
- how to adapt the iterative approach to cater for project scale

### Topics Covered

- What is Iterative Development?
- Managing and Controlling Iterative Projects
- Lifecycle and Release Planning
- Phase Planning and Assessment
- Iteration Planning and Assessment
- Management across the lifecycle:
  - Managing the Inception Phase
  - Managing the Elaboration Phase
  - Managing the Construction Phase
  - Managing the Transition Phase
  - Management Across the Phases
- Applying the Principles of Iterative Development
- Scaling Down the Process: Managing Small Projects
- Scaling Up the Process: Managing Large Projects and Programs
- Transitioning to an Iterative Lifecycle

**Audience**  
Project Managers  
Programme managers

**Recommended Prerequisite Courses**  
None

**Recommended Experience**  
Attendees should have some experience of managing and participating in software development projects.

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