MERCURY

Process Modeling Management, Business Capability Analysis & System Design

07 - 11 Dec 2026
Amsterdam (Netherlands)

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Ref.: 121748_1045532 **Date:** 07 - 11 Dec 2026 **Location:** Amsterdam (Netherlands) **Fees:** 6200 **Euro**

Introduction

This Process Modeling Management, Business Capability Analysis & System Design course provides an understanding of how organizations design, analyze, and improve end-to-end business systems. It focuses on process modeling as a core discipline for visualizing and optimizing operational workflows. Participants will explore business capability analysis to align strategy with execution and measurable outcomes. The program introduces system design principles that connect business needs with technical architecture. It emphasizes clarity in translating business requirements into structured models and scalable solutions. Learners will understand how integrated modeling improves performance, governance, and decision-making across enterprise environments.

Targeted Groups

This Process Modeling Management, Business Capability Analysis & System Design training targets professionals seeking knowledge and skills:

- Business analysts work on process improvement initiatives and workflow optimization.
- Enterprise architects are involved in system design and capability mapping frameworks.
- IT consultants supporting digital transformation and solution design projects.
- Project managers oversee business process redesign and system implementation.
- Operations managers aim to improve efficiency through structured process modeling.
- Strategy professionals align organizational capabilities with business objectives.
- Systems analysts bridge functional requirements with technical design structures.
- Quality and governance teams ensure process consistency and compliance standards.

Course Objectives

Participants will achieve the following objectives by completing the Process Modeling Management, Business Capability Analysis & System Design course:

- Understand how to design and interpret process models to optimize business processes and enhance operational clarity.
- Develop the ability to conduct business capability analysis to align organizational strategy with execution layers.
- Apply structured methods to map workflows, identify inefficiencies, and improve performance outcomes.
- Gain knowledge of system design principles that connect business needs with scalable architecture.
- Strengthen skills in translating requirements into clear models and technical specifications.
- Learn to evaluate business processes using standardized modeling techniques and frameworks.
- Improve decision-making through capability-based planning and structured analysis approaches.
- Enhance the ability to support transformation initiatives using process-driven design thinking.

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Targeted Competencies

Participants will gain the following competencies during the Process Modeling Management, Business Capability Analysis & System Design program:

- Process modeling skills for mapping and analyzing complex workflows with clarity.
- Capability analysis techniques for identifying organizational strengths and gaps.
- System design thinking for aligning business needs with technical solutions.
- Workflow optimization methods to improve efficiency and reduce redundancy.
- Business architecture understanding for structured enterprise alignment.
- Analytical thinking for evaluating processes and operational dependencies.
- Documentation skills for creating clear and standardized business models.
- Strategic interpretation of business capabilities for transformation planning.

Studying Scenarios

In this Process Modeling Management, Business Capability Analysis & System Design training, participants develop skills through the following scenarios:

- Analyzing an inefficient business workflow and redesigning it using structured process modeling techniques.
- Mapping enterprise capabilities to identify gaps between strategy and operational execution layers.
- Designing a system architecture that supports evolving business requirements and scalability needs.
- Evaluating a service process to improve customer experience through workflow optimization methods.
- Translating business requirements into structured models for IT system development and integration.

Course Content

Unit 1: Foundations of Process Modeling Management

- Introduction to process modeling, management, and its role in modern enterprises.
- Understanding business process modeling as a core analysis discipline.
- Overview of BPM concepts and workflow representation techniques.
- Identifying process inputs, outputs, and operational dependencies.
- Basics of process documentation for structured business analysis.
- Introduction to modeling standards used in enterprise environments.
- Relationship between process efficiency and organizational performance.
- Key principles of structured process visualization and mapping.

Unit 2: Business Capability Analysis Frameworks

- Understanding business capability analysis and its strategic importance.
- Defining capability mapping within organizational structures.
- Linking business capabilities to strategic objectives and outcomes.
- Identifying capability gaps and performance inefficiencies.
- Structuring capability models for enterprise planning.
- Differentiating processes, functions, and capabilities in analysis.
- Using capability models to support decision-making frameworks.

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- Aligning business capabilities with transformation initiatives.

Unit 3: System Design Principles and Architecture Alignment

- Introduction to system design concepts in enterprise environments.
- Connecting business requirements with system architecture design.
- Understanding layered architecture and modular system structures.
- Designing systems based on business capability needs.
- Evaluating system scalability, flexibility, and integration needs.
- Translating process models into technical system specifications.
- Aligning IT systems with business process optimization goals.
- Core principles of enterprise system design governance.

Unit 4: Integrated Process Modeling and Workflow Optimization

- Combining process modeling with capability analysis for deeper insights.
- Identifying inefficiencies through workflow mapping techniques.
- Optimizing end-to-end business processes for performance improvement.
- Using data-driven insights to refine process structures.
- Integrating cross-functional workflows across departments.
- Enhancing operational efficiency through structured redesign.
- Applying continuous improvement methods to process models.
- Ensuring consistency in enterprise-wide process execution.

Unit 5: Enterprise Transformation and Solution Design

- Applying process modeling to digital transformation initiatives.
- Designing solutions based on capability-driven analysis.
- Aligning system design with enterprise transformation goals.
- Supporting decision-making through structured business models.
- Managing complexity in large-scale organizational systems.
- Evaluating transformation impact on processes and capabilities.
- Integrating business and IT perspectives in solution design.
- Building sustainable frameworks for continuous enterprise improvement.

Final Insights & Key Takeaways

Process modeling and capability analysis create a structured foundation for effective system design and enterprise alignment. Mastering these disciplines enables organizations to improve efficiency, scalability, and strategic decision-making.

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