

# Business Process Modeling with BPMN using Enterprise Architect

Three Day Course Syllabus

DAY I

## Introduction to BPMN

### Introduction to Enterprise Architect

#### Desktop Layout

- Toolbox and diagram relationship
- Hiding, docking, moving, closing and restoring windows

#### Managing Projects

- Creating Projects
- Creating root nodes, views and packages
- Organizing models

#### Managing Diagrams

- Creating diagrams
- Diagram options and properties
- Diagram tips and tricks

#### User Interface

- Commonly used windows
- Saving & restoring custom layouts
- Keyboard shortcuts

### BPMN Add-in

- Installation
- Model Validation

### Core Concepts

#### Flow Objects

- Event
- Activity
- Gateway

#### Connecting Objects

#### Swimlanes

- Pool
- Lane

#### Artifacts

### Meta-Types

#### Process Diagram

#### Process Element

#### Events

- Start
- End
- Intermediate

#### Activity

- Sub-Process

#### Task

#### COURSE LEADER

## Frank Truyen

is a principal consultant and trainer, with 15+ years of experience in the IT industry as a developer, architect, consultant and manager.

Strong expertise in different modeling notations such as UML® and BPMN™, allied with a wide experience of different modeling tools, has allowed Frank to successfully provide training and consulting services over the last decade to a broad variety of customers across many industries.

DAY 2

## Meta-Types (continued)

### Gateway

- Exclusive
- Inclusive
- Complex
- Parallel

### Pools and Lanes

### Artifacts

- Data Object
- Text Annotation
- Group

### Flows and Associations

- Sequence Flow
- Message Flow
- Association

## Supporting Types

- Artifact Input
- Artifact Output
- Assignment
- Category/Entity/Role/Object
- Condition
- Expression/Time Date Expression
- Input Set
- Output Set
- Message
- Participant
- Property
- Signal
- Transaction
- Web Service

DAY 3

## Workflow Patterns

- Normal Flow
- Parallel Split
- Synchronization
- Splitting Flow
- Exclusive Choice
- Multiple Choice
- Merging Flow
  - Simple merge
  - Multiple merge
  - Discriminator
  - Synchronizing join
  - N out of M join

## Complex Modeling Examples

- Sequence Flow Jumping
- Off-Page Connectors
- Milestones
- Exception Flow
- Ad-hoc Processes
- Compensation Activities
- Illegal Flows

## End-to-End Modeling Exercise

- The Change Control Board (CCB) Process, or
- A User Defined Modeling Exercise