

## Sparx Enterprise Architect Business Process Modeling

<b>Objectives</b> <ul style="list-style-type: none"> <li>Learn how to apply key features of Sparx Enterprise Architect             <ul style="list-style-type: none"> <li>Business fact modeling with UML</li> <li>Business process modeling with BPMN</li> </ul> </li> <li>Build integrated set of business models             <ul style="list-style-type: none"> <li>Business fact model</li> <li>Business process model</li> <li>Business rule model</li> </ul> </li> <li>Diagrams covered             <ul style="list-style-type: none"> <li>UML class diagram</li> <li>UML use case diagram</li> <li>BPMN business process diagram</li> </ul> </li> </ul>		<b>Description</b> <i>Enterprise Architect Business Process Modeling</i> provides students with a hands-on opportunity for learning how to capture business process models using the Business Process Modeling Notation 1.2 (BPMN) with Sparx Enterprise Architect (EA). Starting with an overview of EA, students will learn how to create, delete, and move model elements, draw relationships, review various tool configuration, model structuring and organization guidelines. Students begin building a fact model using UML class diagrams and then create UML actors and use cases to build a business service model. Using BPMN, students create external and internal business process diagrams using message and sequence flows and gateways. Student then create private business process diagrams using pools and lanes, sub-process and tasks, and events (start, intermediate, and end). The course finishes with students modeling business rules by refining the fact model and specifying business rules and their associated evaluation criteria. Most class time is used for students to do hands-on lab exercises following a step-by-step workbook.	
		<b>Course Outline (Modules and Topics)</b> <ul style="list-style-type: none"> <li>Build Fact Model             <ul style="list-style-type: none"> <li>EA workspace configuration</li> <li>Business domains and entities</li> <li>Relationships and element lists</li> </ul> </li> <li>Build Business Service Model             <ul style="list-style-type: none"> <li>Business actors and services</li> <li>Business service diagram</li> <li>Organize service model</li> </ul> </li> <li>Model Business Process Domain             <ul style="list-style-type: none"> <li>External and internal business process diagrams</li> <li>Pools, sequence and message flows</li> <li>Exclusive and parallel gateways</li> </ul> </li> <li>Model Private Business Process             <ul style="list-style-type: none"> <li>Pools and lanes</li> <li>Activities, sub-processes, and tasks</li> <li>Start, intermediate, and end events</li> </ul> </li> <li>Model Sub-Processes             <ul style="list-style-type: none"> <li>Event gateway</li> <li>Inclusive and parallel merges</li> <li>Sub-sub-processes</li> <li>Search model</li> <li>Generate reports and publish website</li> </ul> </li> <li>Model Business Rules             <ul style="list-style-type: none"> <li>Business rule tasks</li> <li>Refine fact model using attributes</li> <li>Specifying business rules</li> <li>Decision tables and computation rules</li> <li>Additional conditions and actions</li> </ul> </li> </ul>	
<b>Duration</b> 1 day	<b>Course #</b> 01-0614	<b>Prerequisites</b> <ul style="list-style-type: none"> <li>Business Process Modeling with BPMN</li> </ul> <b>Continuing education</b> <ul style="list-style-type: none"> <li>Enterprise Architect Business Architecture</li> <li>Enterprise Architect System Development</li> </ul> <b>Classroom requirements</b> <ul style="list-style-type: none"> <li>Sparx Enterprise Architect</li> </ul>	
<b>Audience</b> <ul style="list-style-type: none"> <li>Business architect</li> <li>Business analyst</li> <li>Business process designer</li> <li>System analyst</li> <li>Software architect</li> <li>Data modeler</li> <li>Software designer</li> </ul>			

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