



UML Training Courses from CRaG Systems

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Business Process Analysis and Modelling using UML Training Course - 2 Days

This UML training course teaches the use of the Unified Modelling Language v2.3 for business analysis within the context of a [model-driven software development process](#) or for business process re-engineering. Industry best practice is taught for business process modelling, conceptual data modelling and business role modelling at every level of abstraction. The models produced can be traced through to the requirements for any computer system. Each technique is taught to the level required for competence on a real project. Understanding is tested with exercises based on a real-world project example either [using a suitable UML modelling tool](#) or on paper.

Delegates will learn:

- The basics and the necessary detail of the Unified Modelling Language for business modelling
- How to model a business process at multiple levels of abstraction using a hierarchy of UML activity diagrams (flow charts)
- How to structure a business process model using activity diagrams, business use case diagrams and packages for multi-user access and change management
- How to model business concepts and facts as business data on class diagrams
- How to model business worker roles together with line and operational relationships using classes, packages and their relationships
- How to integrate business modelling techniques into a conventional approach to project documentation
- How to map a business model into a system requirements model using actors, use cases and classes such that each element is traceable from one model to the other

Suitable for:

Business Consultants, Business Analysts, Business Process Engineers and System Analysts with at least 2 years experience. This course is not suitable for those seeking certification as a step towards a qualification. See the [Certification Policy](#) for a detailed discussion.

Course Logistics:

Course attendance is limited to 12 students. Courses start at 9.30am on the first day, 9.00am on subsequent days and finish at 5.00pm each day. Students normally use a computer for the exercises, but these can be performed on paper if required. For a discussion on using a UML modelling tool please see [Modelling Tool Use on Courses](#). Printed course manuals for each student with copies of all presentations, exercises and solutions are provided.

On-Site (In-House) Courses:

The client is expected to provide an appropriate venue, refreshments, XGA/WXGA projector and screen, whiteboard or flipchart and at least one computer per two students loaded with a suitable UML modelling tool, unless exercises are to be performed on paper. For a full discussion of on-site course issues please see [On-Site Course Logistics](#).

Scheduled Public Courses:

This course is available as scheduled public training at our London Training Centre. Students bring their own laptops for use on the course. Please see the [Public UML Training Courses in London](#) page for details.

Pricing:

On-site (in-house) course pricing is available from the [On-Site Course Price Calculator](#) page. Public course pricing is available on the [Public UML Training Courses in London](#) page. For consultancy pricing please see the [On-Site Consultancy Price Calculator](#).

Training Course Outline

<p>Day 1</p> <p>Introduction</p> <p>Logistics - People - Modelling - Unified Modelling Language - Business Process Modelling - An Incremental Process for Modelling</p> <p>Modelling Process Flow</p> <p>Writing a Textual Description - Activity Diagrams - Activities and Control Flows - Conditions - Selection and Iteration - Swimlanes - Hierarchy and Concurrency - Modelling Primitive Process Steps <i>Modelling Process Flow Workshop</i></p> <p>Modelling Process Structure</p> <p>Modelling Hi-level and Group Processes - Modelling Process Structure with Packages - Business Use Cases and Business Actors - Business Use Case Diagrams - The Business Modelling Process</p>	<p>Day 2</p> <p><i>Modelling Process Structure Workshop</i></p> <p>Modelling Business Structure</p> <p>The Conceptual Data Model - Business Entities - Relationships - Business Workers - Responsibilities - Organisation Structure <i>Modelling Business Structure Workshop</i></p> <p>Mapping into System Requirements</p> <p>Business versus System Use Cases - Mapping Actors - Mapping Activities and Swimlanes - Mapping Business Workers - Mapping the Conceptual Data Model <i>Mapping into System Requirements Workshop</i></p>
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Should the content of this UML training course not fit your exact requirements, then CRaG Systems can create a [custom course](#) for you. Please either email or call us to discuss your particular needs.

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