

UML Certification – Fundamental Preparation

Objectives

- Prepare individuals to pass the OMG UML[®] Certified Professional (OCUP) Fundamentals Exam



Description

Unified Modeling Language[®] Certification – Fundamental Preparation helps prepare the modeling practitioner to pass the OMG UML Certified Professional (OCUP) Fundamentals Exam. The course is designed to cover all of the topics describe in the Fundamentals exam coverage map.

Topic	Coverage
Class Diagrams (Basic)	30%
Activity Diagrams (Basic)	20%
Interaction Diagrams (Basic)	20%
Use Case Diagrams (Basic)	20%
Miscellaneous basic notation	10%

Students are provided with example certification exam questions, which they answer after each module. As with most knowledge-based certification exams, the UML certification exams are based on how well one knows the UML 2.0 specification, not how one uses UML in practice. For this reason, it is strongly recommended that students have some UML modeling experience (see prerequisites below).

Course Outline (Modules and Topics)

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| <ul style="list-style-type: none"> • UML Overview <ul style="list-style-type: none"> • Abstraction, encapsulation, modularity, hierarchy • Basic UML concepts and notation • Kernel Concepts I <ul style="list-style-type: none"> • Root, namespace, multiplicity • Expressions, constraints • Classifiers, instances • Kernel Concepts II <ul style="list-style-type: none"> • Features, data types • Classes, interfaces, operations • Packages, dependencies | <ul style="list-style-type: none"> • Activity Concepts <ul style="list-style-type: none"> • Activities, behaviors • Activity nodes, control nodes, object nodes • Flows, actions, pins, • Interaction Concepts <ul style="list-style-type: none"> • Interactions, execution occurrences • Lifelines, messages • Event occurrences • Use Case and Additional Concepts <ul style="list-style-type: none"> • Use cases, actors • Include and extend • Primitive types • Basic stereotypes |
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Duration

1 day

Course

01-0808

Prerequisites

- None required, but the following courses are strongly recommended:
 - Domain Modeling with UML
 - Use Case Modeling with UML
 - Object-Oriented Analysis with UML
 - Object-Oriented Design with UML

Continuing education

- All UML process-related courses

Classroom requirements

- None

In partnership with

Audience

- Architect
- Business analyst
- Designer
- Developer
- Tester

Proven ▶▶▶▶▶ Practical ▶▶▶▶▶ Process™