

# UML: Preparing for the OCUP 2 Intermediate Certification Exam

Course code: GOC4623

The OCUP 2 Intermediate (OMG Certified UML Professional 2) certification exam is the second, more advanced level for testing UML knowledge. It seamlessly follows on from the UML\_OCUP2F entry level.

While the basic certification confirms your ability to create and read common models, the Intermediate level gives the market a clear signal that you master advanced design techniques. It demonstrates the ability to work with composite structures, more complex system behavior, and advanced classifier concepts. This knowledge is key to designing robust architectures and complex IT solutions.

The deeper you delve into the UML specification, the more challenging and difficult it becomes to self-study the original OMG materials. Therefore, our training will effectively and clearly guide you through all the nooks and crannies of the UML standard necessary for the exam. The course covers all required areas (requirements are detailed on the OMG website) and will specifically prepare you for the specific logic and pitfalls of the test questions themselves.

## Who is the course intended for

- **Active UML users**
- (IT analysts, business analysts, solution architects) who have already completed UML\_OCUP2F and want to confirm their knowledge and experience with an internationally recognized certification.

## What will we teach you

- Introduce and explain all areas necessary for successfully passing the OCUP 2 Intermediate certification exam.
- Try out typical test questions, analyze the correct answers together, and understand the logic on which the certification is based.
- Learn to read even those parts of the UML specification that are necessary for the design of complex systems.

## Required entry knowledge

- Active knowledge of UML at the UML\_OCUP2F training level.
- Practical experience with UML (specifically with diagrams, knowledge of which is required to successfully pass the exam).

## Teaching methods

- Clear and interactive explanation that translates the formal theory of UML into human language and connects it with practice.
- Joint solution of simulated certification questions with a detailed analysis of why specific variants are correct or incorrect.

## Study materials

- Presentation of the material discussed in printed or online form.

## Course Syllabus

The syllabus is based on the exam requirements:

- **Basic Structures**
  - (namespaces, constraints, information flows)
- **Composite Structures**
  - (structural classifiers, encapsulating classifiers)
- **Advanced Classifier Techniques**
  - (redefinition, association end properties)
- **Principles of Behavior Modeling**
  - (behavior and behavior classifier, events, generalization sets)
- **Extended Activity Diagrams**
  - (another set of actions, structured node, exceptions)
- **Extended Interaction Diagrams**

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- (combined fragments)
- **Communication Diagram**
- (type of interaction diagram)
- **Protocol State Diagrams**
- (defining rules for calling classifier operations)

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