

# UML: Preparing for the OCUP 2 Foundation Certification Exam

Course code: GOC4622

The OCUP 2 Foundation (OMG Certified UML Professional 2) certification exam is the entry-level level for testing UML knowledge. It is an updated exam that replaces the original OCUP Fundamental.

The UML language is the de facto industry standard for system specification and design. Obtaining this certification is an objective confirmation of your qualities and gives the market a clear signal that you are not just using UML for non-binding drawing, but that you really understand its semantics in depth.

Self-study of the original OMG specification is very demanding and lengthy. Therefore, our training will effectively and specifically guide you through all the necessary steps to successfully pass the exam. The course covers all required areas (requirements are detailed on the OMG website) and will help you understand the specific logic of test questions, which often differs from how UML is used in everyday practice.

## Who is the course for

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

## What we will teach you

- Introduce and explain all areas necessary for successfully passing the OCUP 2 Foundation certification exam.
- Try out typical test questions, analyze the correct answers together and understand the logic on which the certification is built.

## Required entry knowledge

- Active knowledge of UML at the GOC26 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 in printed or online form.

## Course syllabus

The syllabus is based on the exam requirements:

- **Why we model**
- (models, abstractions, diagrams, stakeholders)
- **Class diagrams**
- (basic elements of the metamodel, classifiers and their properties, associations)
- **Object diagrams**
- (object, instance)
- **Package diagrams**
- (package, model)
- **Use cases**
- (actors, use cases, include and extend relationships)
- **Activity diagrams**
- (activities, control, executing and object nodes, actions and their types)
- **Sequence diagrams**

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- (valid and invalid sequences, lifelines, messages)
- **State machines**
- (states, pseudo-states, transitions and conditions enabling transition, run-to-completion)

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