

## UML Professional 2 Foundation («UMLZFP»)

In this course, you will acquire the necessary knowledge about the diagrams of UML in order to understand, create and estimate the statements of corresponding models. In addition, you will be prepared for the official Foundation exam.

**Duration:** 3 days

**Price:** 2'250.–

**Course documents:** Digicomp course documentation, further use of the documentation from the course: «The Unified Modeling Language (UML) (UML)».

**Vendor code:** OCUP 2, OCUP 2-Fundamentals

## Content

### Basic Course: Unified Modeling Language (UML) (2 days)

1. Introduction
  - History
  - Purpose and Benefits
  - Superstructure
  - Use in the Development Process
2. Modelling
  - Basics
  - Usefulness
3. Use case Diagram
4. Structure Diagrams
  - Class Diagram
  - Object Diagram
  - Package Diagram
  - Component Diagram
  - Compositional structure Diagram
  - Distribution Diagram
5. Behaviour Diagrams
  - Activity Diagram
  - State Diagram
  - Sequence Diagram
  - Communication Diagram
  - Interaction overview Diagram
  - Timing Diagram
6. Expansion Possibilities
  - Metamodel
  - Stereotypes
  - Profiles
  - Tagged Values
  - Object Constraint Language (OCL)
7. Tools
  - Overview
  - Selection Criteria
8. Outlook
9. Certification
  - Overview

### Exam Preparation: OMG Certified UML Professional 2 Foundation™ (OCUP 2™ Foundation™) (1 day)

The content is based on the syllabus of the OMG (see <http://www.omg.org/ocup-2/coversceman>) | info@digicomp.ch | digicomp.ch

1. Modelling
2. Structure Diagrams
3. Package Diagram
4. Class Diagram
5. Object Diagram
6. Behaviour Diagrams
7. Use case Diagram
8. Activity Diagram
9. Sequence Diagram
10. State Diagram

And accompanying exercises and the clarification of questions from your preparation. As with our other courses, the participants book the certification on their own, so it is not part of this course on Preparation for certification.

## Key Learnings

- Knowledge of UML diagrams and their notation options
- Basic understanding of the models created in UML and ability to judge them
- Application of UML diagrams in your projects
- Ideal preparation for the «OMG Certified UML Professional 2 Foundation™ (OCUP 2™ Intermediate™)»-certification exam

## Methodology & didactics

You prepare for this course in advance and record your questions for clarification in the course. The preparation is done with the documents from the course «The Unified Modeling Language (UML) («UML»), the UML specification» and the documents on <http://www.omg.org/ocup-2/coveragemap-found.htm>

The individual theoretical principles of UML relevant for the certification examination are dealt with in short time units. Numerous practical exercises, alternating with the theoretical units, are used to prepare for the certification exam.

## Target audience

This course is targeted at all IT Professionals, e.g. Architects, Developers, Analysts and Testers as well as Project Managers or Quality Managers who already have experience with object orientation and UML and would like to acquire further knowledge of UML.

In addition, this certification package is targeted at all persons who wish to attend the preparatory course for the official and internationally recognised certifications «OMG-Certified UML Professional 2 Foundation» following the UML course.

This certification package is not intended for Software Architects and Software Developers who want to learn object-oriented modeling of software. For this purpose, we assume that you have attended the course Object-Oriented Analysis and Design (OOAD) («OOU») or that you have the appropriate specialist knowledge.

Knowledge in the development of object-oriented software is an advantage. The minimum requirement is knowledge of object orientation and UML, as taught in the following courses:

- [Basics of Object-oriented Software Development \(«OGL»\)](#)
- [Object-oriented Analysis and Design \(OOAD\) \(«OOU»\)](#)

## Certification

The official «OCEB 2 Fundamental exam» (OMG-OCEB2-FUND100) can be taken at an official [Pearson Vue test centre](#) (Digicomp in Zurich, Bern or Basel).

The Foundation exam will take 150 minutes for people without english as their native language. The examination is conducted by a licensed certification agency and is passed if at least 67% of the possible points have been achieved. The examination costs in Switzerland are USD 210.– (equivalent in Swiss francs).

## Additional information

The course: «Unified Modeling Language (UML)» can also be booked individually.

## Further courses

- [Sparx Enterprise Architect – An easy entry-level \(«SEELG»\)](#)

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-software-engineering/software-engineering-modelling/course-package-uml-professional-2-foundation](http://www.digicomp.ch/courses-software-engineering/software-engineering-modelling/course-package-uml-professional-2-foundation)