

OMG Certified UML Professional: Certification Prep

UML OCUP 2 Foundation

Hands-on course of 3 days - 21h

Ref.: OCU - Price 2024: CHF2 240 (excl. taxes)

EDUCATIONAL OBJECTIVES

At the end of the training, the trainee will be able to:

Using UML in different software engineering activities

Master structural modeling

Master behavioral modeling

Master all the elements addressed by the OCUP 2 Foundation certification

TEACHING METHODS

The work is done on paper, in the form of a workshop that encourages group discussions.

CASE STUDY

A complete case study is described, allowing a real understanding of the usefulness of diagrams in a real context.

CERTIFICATION

This training includes a voucher allowing you to take the "OMG Certified UML Professional" certification exam in a Pearson Vue center. The language of the certification exam is English.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@ORSYS.fr to review your request and its feasibility.

THE PROGRAMME

last updated: 06/2022

1) Why model?

- The benefits of UML modeling in the development project, from business modeling to implementation
- Organizing modeling with the help of package structuring.
- Handling the case study: understanding the client's general needs.

2) Business modeling

- Modeling business processes with the activity diagram.
- Modeling the domain with the class diagram.
- Modeling the status of business entities with the state-transition diagram.

3) Requirements modeling

- Modeling the external environment of the system with the actors.
- Defining system behavior with use cases. Use case diagram. Sequence diagram.
- Non-functional requirements using the FURPS approach and the notion of UML requirements.

4) Modeling system design. Structural view

- Defining the technical platform - deployment diagram.
- Defining the architecture of the code. Package diagram.
- Best practices in separating concerns and limiting dependencies - layered architectural pattern.
- Modeling classes from a structural viewpoint? Class diagram.
- Defining the attributes.

- Linking objects with associations between classes.
- Factoring code with generalization: the proper use of inheritance.

5) Modeling system design. Behavioral view

- Describing the internal interactions of the system with the sequence diagram.
- Defining operations to meet functional requirements.
- Summarizing the behavior of an object with the state-transition diagram.

6) Modeling deployable components

- Defining components and their interfaces - component diagram.
- Defining component deployment - deployment diagram.

7) Preparing to take the OCUP 2 examination

- General review.
- Practice on sample questions.

DATES

Contact us