

Object-oriented Analysis and Design (OOAD) («OOU»)

Die objektorientierte Modellierung ist zur führenden und ausgereiften Methode der Softwareentwicklung geworden. In diesem Kurs erlangen Sie umfassende Kenntnisse zu OO-Analyse und -Design.

Duration: 3 days

Price: 2'650.–

Course documents: Digicomp Courseware

Content

1. Introduction
 - Definitions of terms
 - Modeling
 - The concept of architecture
 - The development process
2. The UML notation
 - History of UML
 - Class diagrams
 - Use case diagrams
 - Sequence diagrams
 - Collaboration diagrams
 - State diagrams
 - Activity diagrams
 - Component diagrams
 - Distribution diagrams
 - Packages, Subsystems
3. Object-oriented modeling
 - Analysis models
 - Architecture models
 - Modeling parallelism
 - Relationships between diagrams
 - Detail design
 - Persistence

Key Learnings

- Comprehensive knowledge of OO analysis and design
- Knowledge of design architectures that lead to easily changeable and extensible systems
- Using basic object-oriented analysis capabilities to improve the quality of the analysis process
- Clearly communicating the results of the analysis and design process and guarantee the completeness of the requirements
- Using graphical UML models
- Using techniques to avoid errors in OOAD and significantly increase productivity

Target audience

This course is aimed at IT architects, IT developers and analysts who wish to deepen their knowledge of object orientation.

Requirements

We recommend concrete experience with this topic. Knowledge of object-oriented software development to the extent of the following course is a prerequisite:

- [Basics of Object-oriented Software Development \(«OGL»\)](#)

Further courses

- [Service-oriented architecture \(«SOA»\)](#)
- [Object-oriented Design with Patterns \(«ODP»\)](#)
- [Domain-Driven Design \(«DDD»\)](#)
- [Sparx Enterprise Architect – An easy entry-level \(«SEAELG»\)](#)
- [.NET Design Pattern Programming \(«CPP»\)](#)
- [Unified Modeling Language \(«UML»\)](#)
- [UML Professional 2 Foundation \(«UMLZFP»\)](#)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-software-engineering/it-architecture/enterprise-software-architecture/course-object-oriented-analysis-and-design-ood