

Domain-Driven Design («DDD»)

With DDD, you can develop targeted software that optimally fulfills the specified requirements. In this course, you will acquire the necessary knowledge. You will cover important DDD tools and apply them in practical exercises.

Duration: 2 days

Price: 1'950.–

Course documents: Courseware (presentation, exercises, sample solutions), accompanying book (Scott Millett, Nick Tune (2015): Patterns, Principles, and Practices of Domain-Driven Design; John Wiley & Sons; ISBN: 1118714709)

Content

1. Motivation and purpose
2. Basics
3. Event Storming and DDD
4. Strategic patterns
 - Crunching Knowledge
 - Ubiquitous Language
 - Bounded Contexts
 - Responsibility Layers
5. Tactical patterns
 - Entity
 - Value Objects
 - Aggregat
 - Factory
 - Repository
 - Services
 - Modules
 - Domain Event
6. Architecture and DDD
 - Layer and Anti Corruption Layer
 - Hexagonal Architecture (Clean Architecture, Ports and Adapters)
 - Event Sourcing
7. Best practice for the use of DDD
8. Exercises and case study

Key Learnings

- Knowing the important terms, concepts, techniques and methodologies of Domain-Driven Design
- Knowing how to apply domain-driven design effectively
- Basic use of domain-driven design in your projects
- Preparation for further in-depth study of domain-driven design

Target audience

This course is aimed at software architects and developers as well as domain experts (analysts) who want to deepen their knowledge of requirements analysis and software design and development.

Requirements

At least basic knowledge of requirements analysis and/or software design and development.
Experience in these areas to the extent of the following courses is recommended:

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

Further courses

- Service-oriented architecture («SOA»)
- Model-Driven Software Development (MDSD/MDD/MDA) («MDA»)

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/software-engineering-modelling/course-domain-driven-design