Training Object-oriented analysis and design - fast track

This training starts on: 09-12-2019

Location:	Eindhoven
Price:	2.400,00 euro excl. VAT
Duration:	4 consecutive days
Contact:	training@hightechinstitute.nl, +31 85 401 3600

Partner

Certification

After attending, participants receive a High Tech Institute certificate.

Teachers

Dr. Onno van Roosmalen
 Martijn Ceelen MSc

Timetable

09-12-2019 | 09:00 - 17:00
10-12-2019 | 09:00 - 17:00
11-12-2019 | 09:00 - 17:00
12-12-2019 | 09:00 - 17:00

Overview

This is a comprehensive training for those who work in a software environment where object-oriented software development is applied or will be applied. In lectures the typical OO approach for requirements analysis and design and the development of a complete analysis model in UML will be explained. Several practical exercises will help in the understanding and benefits of the OO approach compared to the more traditional (functional) approach. The course also gives insight in how a detailed design can be implemented in a programming language like C++ or JAVA.

Detailed explanation & relevance

Intended for

Software developers, software engineers, project leaders and software managers who work in an environment where object-oriented software development is (going to be) applied.

The maximum group size is 12 course participants

Programme

The training event consists of two modules, a module with focus on object oriented requirements analysis and a module with focus on object oriented design and implementation. These two are tightly coupled using examples and exercises throughout both modules. After the event the participant will:
- Understand the typical OO approach for requirements analysis and design;
- Have the ability to analyse a given problem statement and to develop an analysis model in UML using the OO approach, i.e.: capture the required system and software behaviour in use-case specifications, state diagrams and interaction diagrams;
- Have the ability to translate the analysis model into an architectural model in UML that takes care of all the functional and non-functional requirements;
- Have insight in how an OO detailed design can be implemented in an object oriented programming language (C++ or JAVA).

In the training about 30% of the time will be spent on practical work, mostly small exercises.

The OOAD - extended version (9 days) has the same scheme as the fast track (4 days), but gives more attention to the introduction of UML, non-functional requirements, use case analysis, design by contract and SW libraries and reflection on exercise results and cases entered for discussion.