

Course D10163

Requirements Engineering For Product Development

- Learn methods for collecting, consolidating, documenting, testing and managing requirements
- Integrate requirements engineering into your product development process
- Consolidate your newly acquired knowledge with exercises and real-life examples



Description

The course has been adapted to the needs of system and product development and additional topics were added where required. You will gain an in-depth understanding of requirements engineering methods. In regulated environments in particular, these methods, together with traceability of requirements, are an essential element of the requirements engineering process.

The first day focuses on basic principles and the application of methods for identifying and documenting requirements. The second day deals with verification and management of requirements, including practical exercises, and will also look at tools.

Requirements engineering often plays a major role only in the early stages of a project, receding into the background as the project progresses. The course will also look at how requirements affect day-to-day development work, from defining the project, through the various development phases, to testing and product delivery.

Goals

At the end of the course, you will have a good understanding of requirements engineering and its role within the overall context of a project. You will be able to identify, analyse, consolidate, document, verify, manage and test requirements. You will be familiar with key methods and will understand how requirements engineering fits into your product development process.

Participants

The course is aimed at people who are involved in a professional capacity with interdisciplinary product development (electronics, mechanics, software), but have little theoretical knowledge of requirements engineering or want to extend their knowledge with examples from other industries.

Duration

1 day

Dates and Prices

www.zuehlke.com/D10163

Level

Beginner – Intermediate

Content

- Basic principles
- Scope and context
- Identifying requirements
- Working with stakeholders
- Documenting requirements
- Verifying requirements
- Managing requirements
- Traceability of requirements
- Overview of tools
- Practical examples and exercises

Language

German (course materials in German)

Delivery

Public course or company course at Zühlke or at the client's premises.