The topic Requirements Engineering playing a key role inside of projects is therefore crucial for the success of projects. During this training you learn all of relevant knowledge concerning the elicitation, documentation, validation, negotiation and administration of requirements necessary to pass the certification exam "IREB Certified Professional for Requirements Engineering Foundation Level". The contents of this course relies to the current IREB CPRE FL syllabus. Directly after the course you have the possibility to pass the exam.

Wer sollte teilnehmen:

Zielgruppe

Project Manager, Requirements Engineers, IT-Architects, employees of operating departments, IT Auditor, Consultants, Requirements Manager, Analysts.

Voraussetzungen

Sem. 02010 Anforderungsanalyse or adequate knowledge, UML Basics.

Trainingsprogramm

Introduction and general basics:

- Dates and Facts
- Definitions
- Process models
- Communication theory basics
- Profile of a requirements engineer

System and System Context Boundaries:
### System- and context boundaries de-Termination
- System context documentation

### Requirements Elicitation:
- Sources of requirements
- Kano model requirements categories
- Elicitation techniques

### Requirements Documentation:
- Documentation design
- Types of documentation
- Document structure
- Quality criteria for requirement documents
- Quality criteria for requirements
- Glossary

### Documenting Requirements with Natural Language:
- Lingual effects: Nominalization, incompletely specified conditions
- Construction of requirements via sentence template

### Model Based Requirements Documentation:
- Definition of a model
- UML-Use-Case-Diagrams
- Three perspectives on requirements
- Entity-Relationship-Diagrams
- Class diagrams
- Activity diagrams
- State diagrams

### Requirements Validation and Negotiation:
- Quality aspects for requirements
- Techniques for requirements validation
- Negotiation of requirements

### Requirements Management:
- Requirement attributes
- Requirement views
- Versioning of requirements
- Configuration- and change management

### Tool support:
- Introduction of tools
- Evaluation of tools

### Schulungsmethode
Lecture, discussion, exercises, case studies.
Daily follow up of the course day is highly recommended. The examination fee is not included in the course fee.