

Zühlke Academy Courses 2018

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Course	ID	Topic	Content	Duration in d	Language of Course Materials	Target Group
Clean Code Workshop (Java)	D10121	Software Development	Write legible and comprehensible code. Recognise bad code and refactor it step-by-step. Numerous practical exercises.	2	English	Java developers
Clean Code Workshop (.NET)	D10122	Software Development	Write legible and comprehensible code. Recognise bad code and refactor it step-by-step. Numerous practical exercises.	2	English	.NET developers
Foundations of Professional JavaScript Development	D10104	Software Development	Get to know the characteristics of JavaScript as a language, avoid common pitfalls and apply best practices.	1	English	Front-end web developers
Contemporary JavaScript Development Workflow	D10149	Software Development	JavaScript in an enterprise environment. Professional JavaScript development lifecycle. Toolkits for build, testing and code analysis. Finding your way in the JavaScript „jungle“.	1	German or English	Front-end web developers
Web Security Workshop	D10145	Software Development	Web security in modern web applications. Knowing the risks and understanding the attacks. Implementing effective countermeasures.	1 - 2	German	Front-end and back-end web developers
The Agile Organisation	D10126	Digital Transformation	Introduction to agile principles at the enterprise level, apart from SAFe. What new challenges do businesses face in the digital age? What agile principles and theories will help me become more flexible, innovative and faster?	1	English	Senior management: portfolio, program and product managers as well as line management and business development.
Artificial Intelligence and Machine Learning from a Business Perspective	D10200	Digital Transformation	What are artificial intelligence and machine learning? What techniques exist and in what areas can they be used?	1	German	Managers and other staff who want to play a key role in digital transformation with artificial intelligence and machine learning within their company.

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Project Estimation Basics	D10018	Project Management	Introduction to project effort estimation. Overview of estimation methods. Methodology for the estimation of effort, schedule and costs.	1-2	English	Managers, project managers and developers
Design for Developers	D10136	UX and Innovation	Foundations and principles of good design for non-designers. Focus on apps and web applications.	1	German	Software developers, UI developers, web developers, business analysts, project managers
Hands-on Product Innovation	D10139	UX and Innovation	Using creative methods to generate ideas for hardware and software products and digital services. Successfully implementing promising ideas.	1	German	Product marketing and product management
Interaction Design	D10098	UX and Innovation	User-oriented design of interactive systems. Basic principles and advanced aspects of GUI design. GUI prototyping with practical exercises.	2	German	Usability engineers, information architects, business analysts, GUI designers, software developers and product managers
UX Certification Course: CPUX – Foundation Level	D10178	UX and Innovation	Certification course for UXQB „Certified Professional for Usability and User Experience – Foundation Level“. Concepts, methods, basic principles and best practices from the usability and user experience field.	3	German	Usability engineers, analysts, software developers, testers, project managers, designers, product managers and marketing professionals
Requirements Engineering – CPRE Foundation Level	D10027	Requirements Engineering	Certification course for IREB „Certified Professional for Requirements Engineering - Foundation Level“. Foundation, basic concepts and methods of requirements engineering.	3	German or English	Requirements engineers, business analysts, and similar roles
Requirements Engineering – CPRE Advanced Level Elicitation & Consolidation	D10085	Requirements Engineering	Certification course for IREB „Certified Professional for Requirements Engineering – Advanced Level, Elicitation and Consolidation“. Systematic elicitation of requirements.	3	German	Requirements engineers, business analysts, and similar roles

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Mastering Requirements in Agile Software Development	D10158	Requirements Engineering	Agile requirements techniques and principles – from requirements to the mature product. Recommended complement to the certification course „Requirements Engineering Foundation Level“ (D10027).	2	German or English	Agile teams (apart from SAFe), requirements engineers, business analysts
Requirements Engineering For System And Product Development	D10163	Requirements Engineering	Methods for collecting, consolidating, documenting, testing and managing requirements in system and product development.	2	German	Requirements engineers und similar roles; specifically for hardware development in systems environment.
Scrum Essentials	D10132	Scrum	Introduction to agile principles and roles in the Scrum Team, apart from SAFe.	2	English	Developers, business analysts, testers, marketing and management. There are no programming skills required.
Professional Scrum Master (Scrum.org PSM)	D10072	Scrum	Information and resources to successfully develop products using Scrum. Countless tips and real life examples.	2	English	(Prospective) Scrum Masters, apart from SAFe
Professional Scrum Product Owner (Scrum.org PSPO)	D10089	Scrum	Resources and strategies to optimise return on investment (ROI) and total cost of ownership (TCO) of products and systems using Scrum.	2	English	(Prospective) Product Owners, apart from SAFe
Leading SAFe® 4.5	D10130	SAFe	Introduction to the Scaled Agile Framework™ and Lean-Agile Management. Foundation for further SAFe courses.	2	English	Management, process leads, enterprise, system, and solution architects. Basic knowledge of lean and agile principles as well as experience in Scrum is required.

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SAFe® Product Owner/ Product Manager With POPM Certification	D10180	SAFe	Applying the Product Owner role within a SAFe enterprise. Delivering customer value through effective execution and coordination of program increments in the enterprise.	2	English	(Prospective) Product Owners in a SAFe enterprise. Fundamental knowledge of SAFe is required.
SAFe® Scrum Master	D10202	SAFe	Applying the Scrum Master role within a SAFe enterprise. Learning the key components of Agile at scale development, how Scrum is facilitated throughout the enterprise, and how to execute Iteration Planning.	2	English	(Prospective) Scrum Masters in a SAFe enterprise. Fundamental knowledge of SAFe is required.
SAFe® Release Train Engineer	D10208	SAFe	Applying the Release Train Engineer (RTE) role within a SAFe enterprise. Learning how to reach the full potential of the Agile Release Train (ART) and how to move teams from «storming» to «performing».	3	English	Project managers, Scrum Masters, management, agile coaches, SAFe consultants
Value Engineering – One Step Ahead the Competition	D10043	Product Engineering	Cost reduction in system and product development. Learning a methodical approach. Best practices illustrated on the basis of actual projects. Case study used to consolidate the theory.	1	German	Development managers, project managers and developers of interdisciplinary projects; specifically for hardware development in systems environment.
Smart FMEA – Risk Assessment In Practice	D10169	Product Engineering	Early detection and management of risks. An interactive approach, not the usual boring FMEA sessions. Simple and efficient tools for direct use in everyday practice.	1	German	Developers and team leaders in development and production; specifically for hardware development in systems environment.