

TRAINING FOR PROFESSIONALS

Our seminar offering for
UX & Usability Engineering

03.2024

USE-Ing. GmbH
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Germany
www.use-ing.de

Recognized Training
Provider 2024
UXQB
www.use-ing.de/use-ing-academy





OUR WHY

We want to generate a positive impact in peoples' lives,

by lighten the usage of complex technology,

so, they are enabled to experience more purpose and meaning.

YOUR PARTNER FOR HUMAN FACTORS & USABILITY ENGINEERING

USE-Ing GmbH specializes in cutting-edge ergonomics and innovative user experience design. We transform complex technology into intuitive, user-centered products.

Our mission is to empower professionals in our field with the knowledge gained from our years of experience.

Our training programs ensure participants stay current with industry practices by our experienced trainers.

Target Group

- Usability Professionals
- Produktmanager
- UX-Consultants
- UX- und UI-Designer
- Developer
- Software-Specialists
- Projectlead / Product Owner
- and many more



CERTIFICATION AS PROFESSIONAL FOR USABILITY & USER EXPERIENCE

Providing expertise in industrial UX & Usability Engineering through training courses in various specialized areas of human-centered technology development, both in-person and remotely.



Fundamentals of Usability Engineering
CPUX-F



UX-Design for Inclusion & Accessibility



Certified Human Factors & Usability Engineer
Medical Devices

FUNDAMENTALS

ADVANCED LEVELS



SPECIALICATIONS

INHOUSE TRAININGS



Evaluation & Usability Testing
CPUX-UT



User Requirements Engineering
CPUX-UR



Designing UX/UI Solutions
CPUX-DS

USABILITY & USER EXPERIENCE FUNDAMENTALS

Preparation for Certified Professional for Usability and User Experience
Foundation Level - CPUX-F

LEARNING OBJECTIVES

In this intensive training course, we prepare you optimally for the "Certified Professional for Usability and User Experience - Foundation Level" (CPUX-F) exam.

Learn the basic terms and concepts from the field of usability and user experience in accordance with the official UXQB curriculum and consolidate your knowledge in practical exercises.

CONTENTS & HIGHLIGHTS

- The human-centered design process terms
- Concepts & guidelines of human-centered product development
- Usability, UX, DIN EN ISO 9241 standards
- Understanding & specifying the user as well as the context of use
- Specifying user requirements
- Basics of generating human-centered design solutions - interaction & interfaces
- Types of usability & user experience evaluations - usability test, heuristic analyses, usability inspection
- Existing approaches and methods of user research - interviews, questionnaires, focus groups

ADVANCED LEVEL USABILITY TESTING & EVALUATION

Preparation for Certified Professional for Usability and User Experience – Usability Testing and Evaluation – CPUX-UT

LEARNING OBJECTIVES

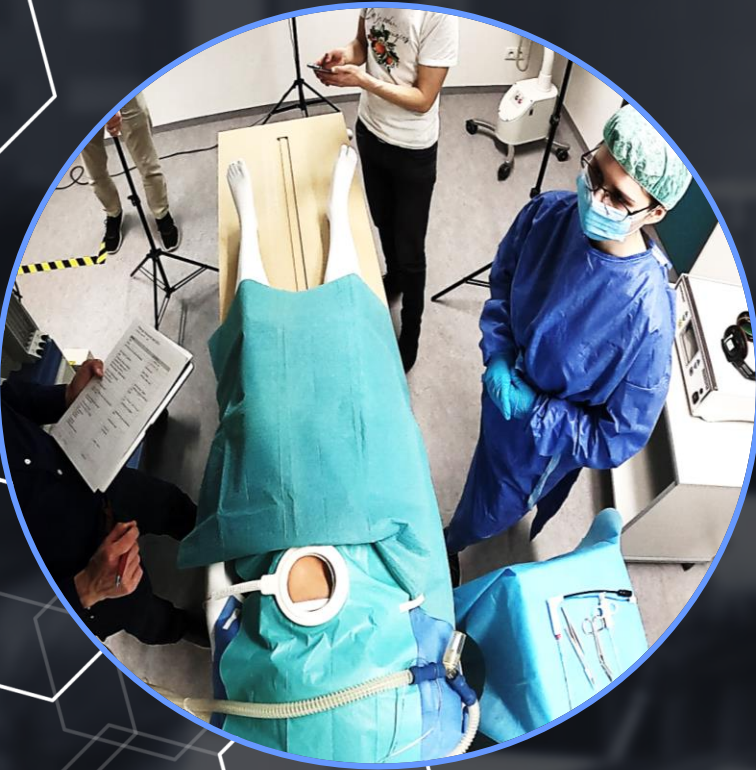
How do you test and evaluate products in a user-centered way?

How do you recruit test persons, organize a usability test and evaluate it?

As an official training provider of the UXQB, USE-Ing. prepares you optimally for the "Certified Professional for Usability and User Experience - Usability Testing and Evaluation" (CPUX-UT) exam and makes you a usability testing expert.

CONTENTS & HIGHLIGHTS

- The basics of user interfaces and human-machine interfaces
- In-depth knowledge of terms and concepts from the field of evaluation & testing of user interfaces
 - usability testing
- Practical application of test-, evaluation techniques & methods
- Planning, conducting and documenting usability tests with users - remote, on-site, synchronous, asynchronous
- Setting up a usability laboratory



ADVANCED LEVEL USER REQUIREMENTS ENGINEERING

Preparation for Certified Professional for Usability and User Experience – User Requirements Engineering – CPUX-UR

LEARNING OBJECTIVES

How do you carry out requirements analyses and combine requirements engineering with user experience? How to develop products systematically and human-centered? **As an official training provider of the UXQB, USE-Ing. prepares you optimally for the "Certified Professional for Usability and User Experience - User Requirements Engineering " (CPUX-UR) exam and makes you a user requirements engineering expert.**

CONTENTS & HIGHLIGHTS

- The basics of requirements engineering
- In-depth knowledge of terms and concepts from the field of user context analysis – (user research) & development of user requirements - user requirements engineering
- Creation of user group profiles
- Planning, conducting and documenting contextual interviews and participatory observations
- Systematic identification of user needs from context of use descriptions
- Specifying, structuring and prioritizing user requirements

ADVANCED LEVEL DESIGNING SOLUTIONS

Preparation for Certified Professional for Usability and User Experience – Designing Solutions - CPUX-DS

LEARNING OBJECTIVES

How are user interfaces systematically developed? How are user requirements translated into design solutions? How does a user interface expert develop human-machine interaction based on task objects?

As an official training provider of the UXQB, USE-Ing. prepares you for the "Certified Professional for Usability and User Experience - Designing Solutions" CPUX-DS.

CONTENTS & HIGHLIGHTS

- Introduction to Designing Solutions - Human-centered Design (HCD) according to ISO 9241-210
- Conceptual modeling - task models & objects, interaction specifications, dependencies & variants, use scenarios
- Information architecture – development, enrich & structure task objects, connection paths, evaluate
- Interaction design - task-related operation & user support, desired & undesired consequences
- Conceptual modeling - task-related interaction sequences
- Obtain feedback by tangible design decisions – types & characteristics, benefits of early & continuous visualization
- Guidelines for the creation of low - fidelity prototypes
- Interface design - selecting, arranging, combining & behavior
- Information design – principles & specific design guidelines
- Sensory design - designing for relevant sensory channels, design laws, colors, font sizes & white space
- Specific human needs – accessibility, ethics, cultural diversity
- Aspects beyond design activities - managing stakeholders, framework for design work, implicit design tasks, documentation



CERTIFIED HUMAN FACTORS & USABILITY ENGINEERING MEDICA DEVICES

- Preparation for Certified Professional for Usability and User Experience Foundation Level - CPUX-F

LEARNING OBJECTIVES

In the "Certified Human Factors & Usability Engineer – Medical Devices" training course, participants will gain knowledge of all human-centered aspects pertinent to the regulatory landscape during the development and approval process of medical devices. Successfully passing the CPUX-F exam grants certification in this field.

CONTENTS & HIGHLIGHTS

- Context of use analyses - intended use, use environment, user profiles
- User requirements analysis - user needs & requirements → system specifications
- Development of usage scenarios & use-related risk assessment
- Development of standard-compliant usability files - usability engineering files / human factors validation reports in accordance with DIN EN 62366-1 and FDA-2011-D-0469
- Preparation, organization and implementation of formative & summative usability tests & evaluations - verifications, validations
- Root cause analyses, usability reporting & traceability
- Networking the usability engineering process with risk management & technical development
- Usability engineering in an international context
USA, China, UK

UX DESIGN FOR INCLUSION & ACCESSIBILITY

LEARNING OBJECTIVES

Understanding and implementing the technical needs of senior citizens and people with disabilities

CONTENTS & HIGHLIGHTS

- Familiarization with relevant regulations & specifications in the context of the design of accessible technology (DIN EN 17161:2019, VDI/GGT 2236)
- Overview of the most important design & development approaches (universal design, inclusive design, design for all, gerontechnology)
- User research & requirements engineering for users with disabilities - understanding needs & translating them into technical requirements
- Possibilities of building empathy & getting to know simulation techniques Usability testing with limited users
- Technical interface design for products with a focus on inclusion & accessibility
- Digital accessibility – tools & methods for evaluation & validation
- DOs and DON'Ts based on examples of good & bad design of accessible products.



SEMINAR OVERVIEW



USE-ING. GMBH ©
ZETTACHRING 8A
70567 STUTTGART
GERMANY

REGISTRATION
ON-SITE LOCATIONS

www.use-ing.de/use-ing-academy
Stuttgart, Berlin, Magdeburg

SEMINAR COSTS

CPUX-F

890€ 940€ 300€

CPUX-UR

1.600€ 1.800€ 600€

CPUX-UT

1.600€ 1.800€ 600€

CPUX-DS

1.600€ 1.800€ 600€

**HUMAN FACTORS &
USABILITY ENGINEERING MEDICA DEVICES**

1.290€ 1.490€ 300€

UX DESIGN FOR INCLUSION & ACCESSIBILITY

1.290€ 1.490€

- All prices are exclusive of VAT.
- 10 % early bird discount for binding registration up to 2 months before the start of the seminar
- 20 % from the second participant of a company
- 30 % for active customers of USE-Ing.
- 50% for students (Seminar specific)
- For final booking prices please refer to the website www.use-ing.de/use-ing-academy
- Inhouse trainings can be booked separately



**DO YOU HAVE ANY QUESTIONS?
WE LOOK FORWARD TO HEARING FROM YOU**



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