

# TRAINING FOR PROFESSIONALS

Our seminar offering for  
UX & Usability Engineering

03.2024

**USE-Ing. GmbH**  
Zettachring 8a  
70567 Stuttgart  
Germany  
[www.use-ing.de](http://www.use-ing.de)

Recognized Training  
Provider 2024  
**UXQB**  
[www.use-ing.de/use-ing-academy](http://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



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

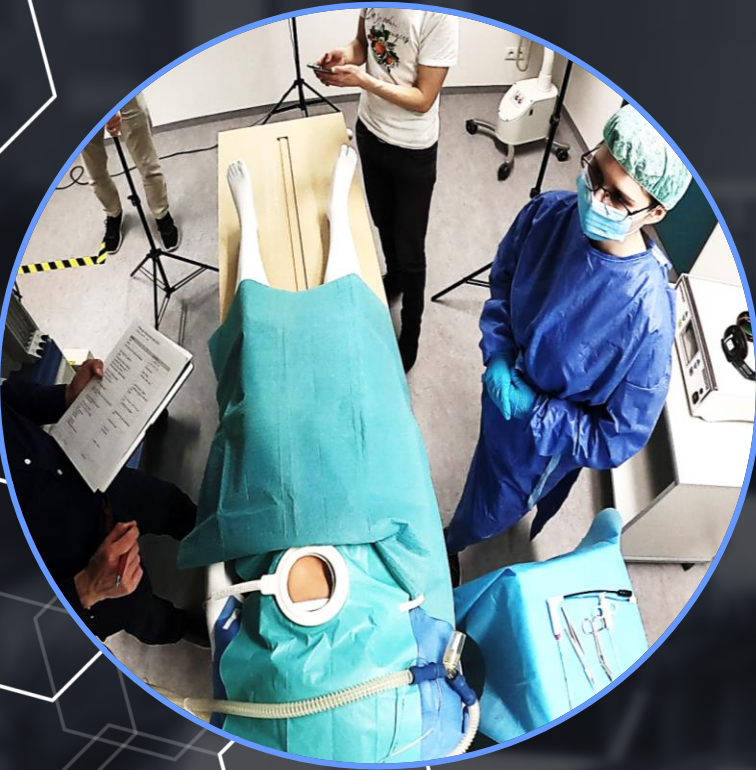
How do you test and evaluate products in a user-centered way?

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 & documenting contextual interviews & 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 use 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](http://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](http://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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