



## Comprehensive WCAG 2.1 and 2.2 for Designers and Testers

**Course #:** UX-500      **Duration:** 3 days

### Prerequisites

None.

### Details

Comprehensive WCAG 2.1 and 2.2 for Designers and Testers is a three-day course that offers an in-depth exploration of web accessibility, specifically focusing on the Web Content Accessibility Guidelines (WCAG) 2.1 and 2.2. The course is designed to equip participants with a solid understanding of web accessibility principles. They will be presented with ethical, legal, and commercial considerations, as well as practical skills in implementing and testing WCAG 2.1 and 2.2 guidelines. Through a series of lectures, hands-on exercises, and demonstrations, attendees will learn the requirements for designing and testing websites that are accessible to all users, including those with disabilities.

This course is for UX/UI designers, digital content creators, testers, and IT professionals who are responsible for designing, testing, or managing accessible websites or web applications.

Please note that the focus of this course is to learn the WCAG requirements and to understand the requirements for an accessible website or app. While some coding examples may be provided, learning the HTML, CSS, and JavaScript required to produce an accessible website or app is outside the scope of this course.

### Software Needed

Ideally, students should have more than one browser available (Chrome, Edge, Safari, Firefox, etc.)

### Outline

- **Introduction to Web Accessibility**
  - What is Web Accessibility?
  - Web Accessibility and Related Areas
  - History of Web Accessibility Standards
  - Accessible Design is Good Design
- **Who does accessibility affect?**
  - Diversity of Abilities
  - What is a Disability
  - Auditory Disabilities
  - Visual Disabilities
  - Physical Disabilities
  - Cognitive, Learning, and Neurological Disabilities
  - Speech Disabilities
- **Assistive technology**

- What is Assistive Technology (AT)?
- What are Adaptive Strategies
- Types of Assistive Technology
- **Understanding WCAG**
  - What is WCAG?
  - The World Wide Web Consortium (W3C)
  - Versions of WCAG
  - WCAG Principles (POUR)
  - WCAG Guidelines and Success Criteria
  - Conformance Levels of WCAG
  - Ethical and Legal Considerations
- **Principle 1: Perceivable**
  - Defining Perceivable
  - Guideline 1.1 Text Alternatives
  - Guideline 1.2 Time-based Media
  - Guideline 1.3 Adaptable
  - Guideline 1.4 Distinguishable
- **Principle 2: Operable**
  - Defining Operable
  - Guideline 2.1 Keyboard Accessible
  - Guideline 2.2 Enough Time
  - Guideline 2.3 Seizes & Physical Reactions
  - Guideline 2.4 Navigable
  - Guideline 2.5 Input Modalities
- **Principle 3: Understandable**
  - Defining Understandable
  - Guideline 3.1 Readable
  - Guideline 3.2 Predictable
  - Guideline 3.3 Input Assistance
- **Principle 4: Robust**
  - Defining Robust
  - Guideline 4.1 Compatible
- **Testing for Accessibility**
  - Testing for Accessibility
  - Tools for Evaluating Accessibility
  - Getting Started with Easy Checks
  - Testing with Users
  - Conformance Evaluation and Reports
  - Continued Learning