

WCAG 2.1: Unit Information

Overview

It is a worth reviewing that accessibility under WCAG 2.1 is based upon the Four Principles of Accessibility. The are as follows:

- **Perceivable** - Information and user interface components must be presentable to users in ways they can perceive.
 - This means that users must be able to perceive the information being presented (it can't be invisible to all of their senses)
- **Operable** - User interface components and navigation must be operable.
 - This means that users must be able to operate the interface (the interface cannot require interaction that a user cannot perform)
- **Understandable** - Information and the operation of user interface must be understandable.
 - This means that users must be able to understand the information as well as the operation of the user interface (the content or operation cannot be beyond their understanding)
- **Robust** - Content must be robust enough that it can be interpreted reliably by a wide variety of user agents, including assistive technologies.
 - This means that users must be able to access the content as technologies advance (as technologies and user agents evolve, the content should remain accessible)

-- <https://www.w3.org/TR/UNDERSTANDING-WCAG20/Overview.html>

These four principles form the functional categories for the Accessibility Guidelines and Success Criteria under WCAG 2.1. As you will see these Guidelines will be used to inform Universal Design features of online courses.

Objectives

At the end of this unit you should be able to:

- List and describe the WCAG 2.1: Four Principles of Accessibility.
- As may be applied to media or document course content:
 - Describe several major Guidelines and Success Criteria under the Perceivable Principle.
 - Describe several major Guidelines and Success Criteria under the Operable Principle.
 - Describe several major Guidelines and Success Criteria under the Understandable Principle.

- Describe several major Guidelines and Success Criteria under the Robust Principle.
- Given a standard syllabus document, describe at least three Guidelines and Success Criteria that might be required to bring the document into compliance.
- Given a PowerPoint (or similar presentation) file, describe at least three Guidelines and Success Criteria that might be required to bring the presentation into compliance.
- Describe what, under WCAG 2.1, might be required to bring a course video into compliance.

Assignments

1. Read the WCAG 2.1 Digital Resource Compliance PDF file.
2. Read the WCAG 2.1 Checklist from WebAIM. *This is not the official W3C document but is a shortened outline checklist that may be easier to digest than the full W3C listings.*
3. Open the World Web Consortium (W3C) Resource Page topic.
4. Review the How to Meet WCAG 2 (Quick Reference) web link.
You can use the filters to limit what is displayed to Level A and AA items. Keep in mind that some of these Guidelines may not apply to digital resources that might be found within a course. You should feel free to explore that links under the Guidelines and Success Criteria.
5. Review the listed topics on the Introduction to Web Accessibility web link.
6. Review the listed topics on the Tips for Getting Started for Web Accessibility web link.
7. Review the listed topics on the Tips for Getting Started Designing for Web Accessibility web link.
8. Complete the WCAG 2.1 Assessment.