





Accessibility of online instructional tools and documents

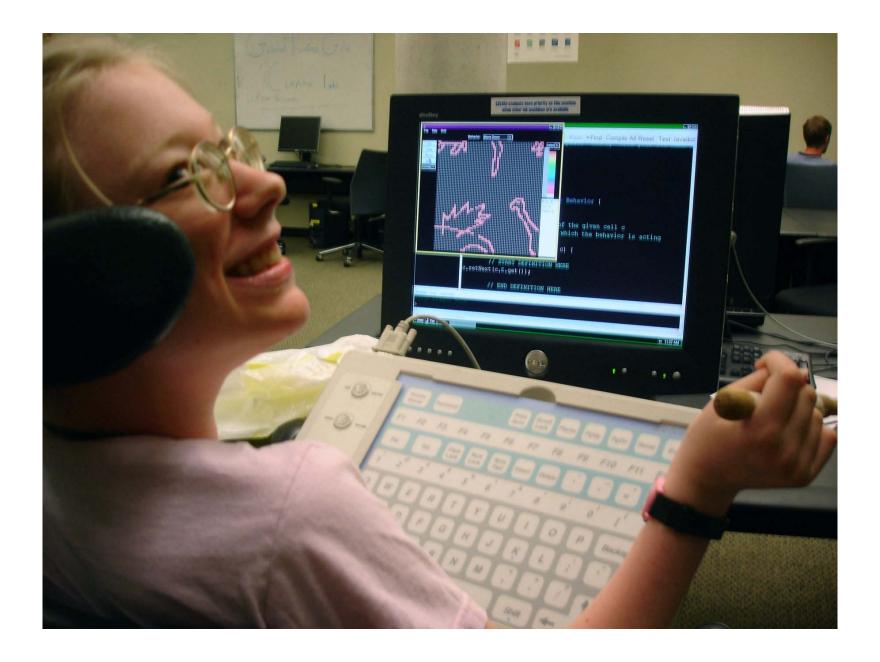
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Students are diverse







In order to be accessible, web content must be:

- Perceivable
- Operable
- Understandable
- Robust

Source: W3C Web Content Accessibility Guidelines (WCAG) 2.0, http://w3.org/TR/wcag20

Are your instructional tools accessible to all students?



Leadership

About Us

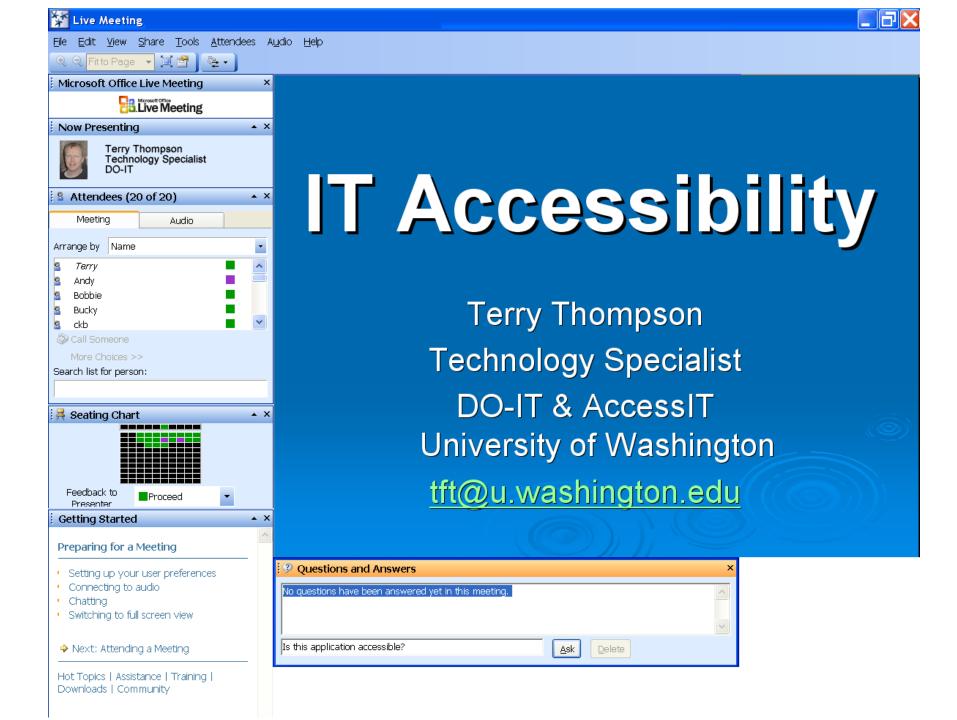
Information Resources Management Association ...an international association serving information providers and users

701 E. Chocolate Avenue, Suite 200, Hershey, PA 17033, USA contact us | home **IRM Press** Conferences Joining IRMA IRMA Journals World-Wide Reps Fellow Programs Proceedings Curriculum What's New SRCs List-Serve



Well, here we are obviously in front of our nation's capitol.





W UNIVERSITY of WASHINGTON

<u>About the UW</u>

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The Weather of the Pacific Northwest

New book by UW atmospheric sciences professor explains many phenomena of the region. **More** >



Starry Nights You can still "see" winter at twice-mo the Astronomy Dep Planetarium, More

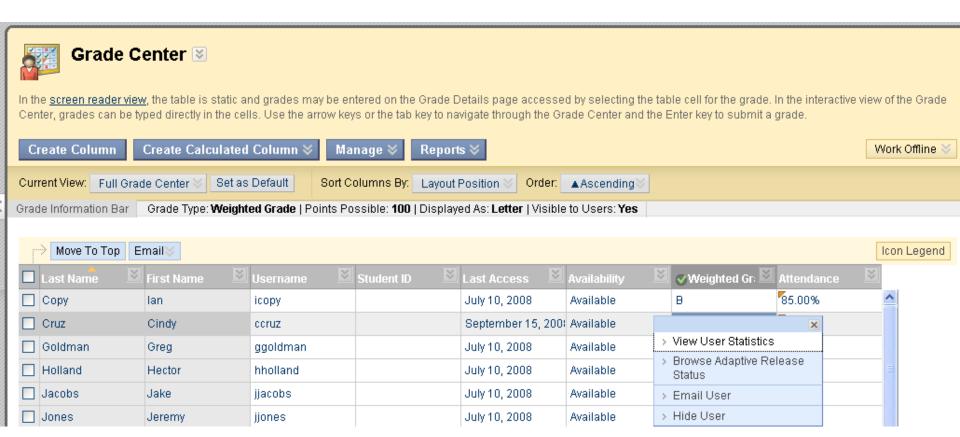
UW QuickLinks

News from the University of Washington

News



Book challenges conventional wisd











MvBlackboard

Courses

Announcements Course Information Staff Information Course Documents Assignments Communication Discussion Board External Links

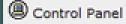
Tools

Tools





Course Map



(c) Refresh

(A) Detail View

TERRY'S TEST COURSE (BTESTING-TERRY) > COURSE DOCUMENTS



Course Documents



Accessibility Strategies

Accessibility Strategies

People access the web using a wide variety of interface technologies. Users differ on operating systems, broadusers access the Web using wireless phones or handheld computers. This diversity of interface technologic output (screen readers), tactile output (Braille display devices), audible input (speech recognition technolog interface technologies. While developing websites that are accessible to all of these users may seem daunti

- Always consider your total audience
- 2. Consider accessibility early in the design process
- Follow guidelines and standards
- 4. Check your site using validation and evaluation tools



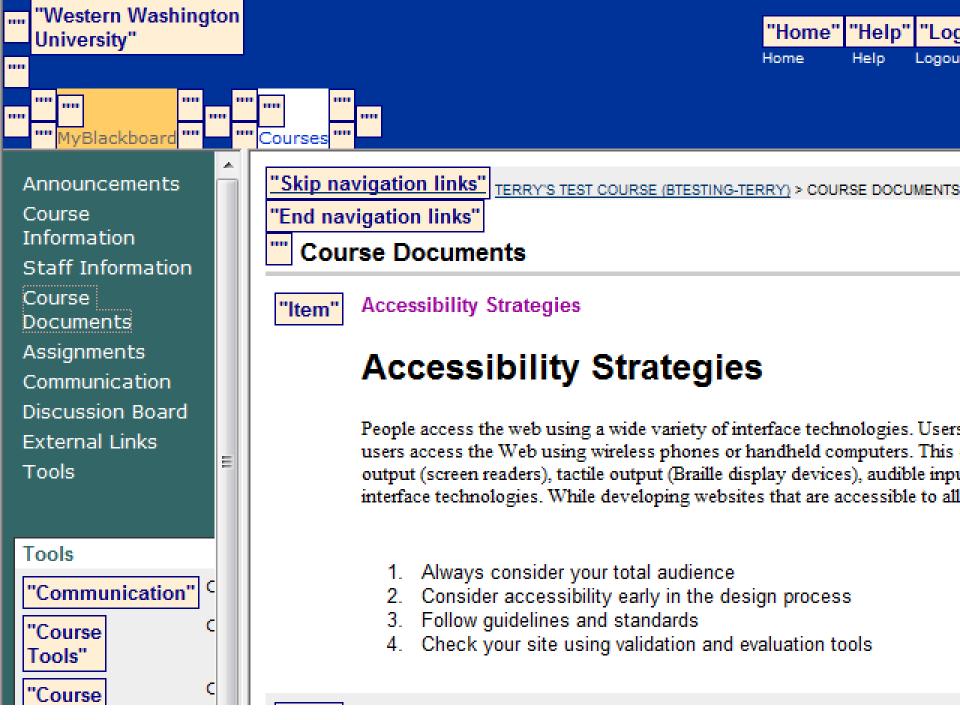
Assignments

This folder contains all assigned reading for this course, including documents and links.



Assessments

This folder contains all guizes and exams for the course





MyBlackboard

Courses

Announcements

Course Information

Staff Information

Course Documents

Assignments

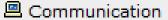
Communication

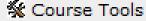
Discussion Board

External Links

Tools

Tools





Course Map

Control Panel

TERRY'S TEST COURSE (BTESTING-TERRY) > COURSE DOCUMENTS





Course Documents </h1>





Accessibility Strategies

< h2> Accessibility Strategies</h2>

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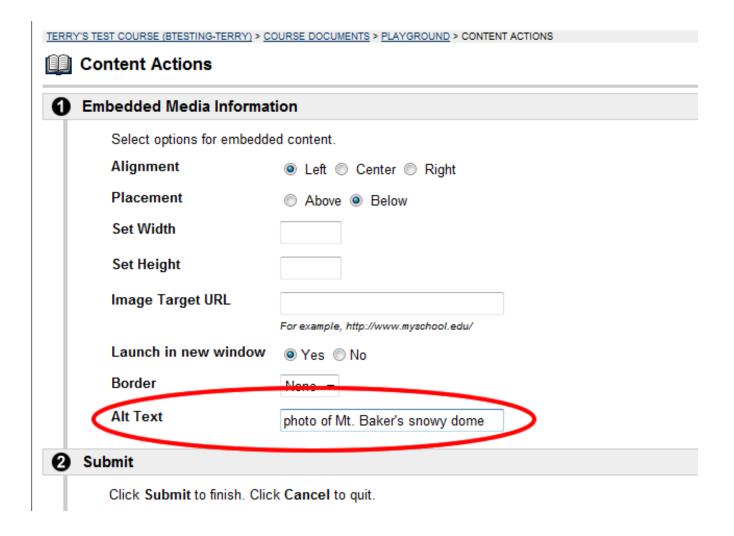


Assignments

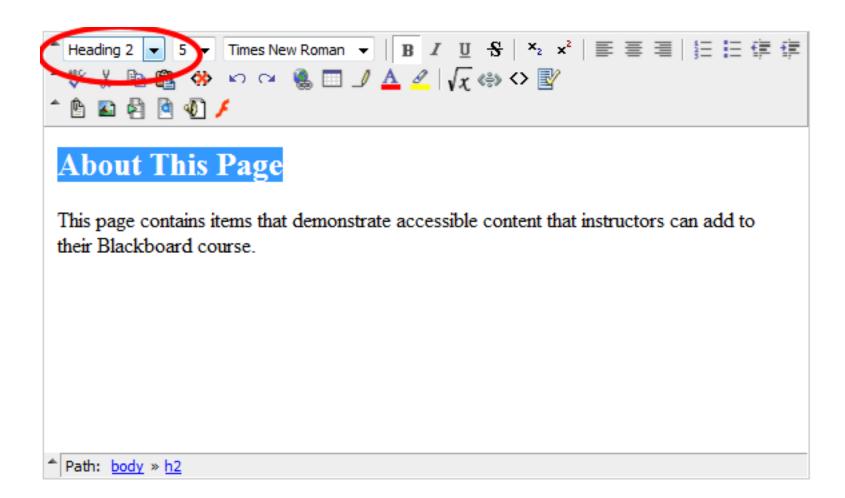
Accessibility of Course Content

- It is possible within most learning management systems to have a fully accessible course.
- It is also possible within all learning management systems to have a fully inaccessible course, by adding inaccessible course content.

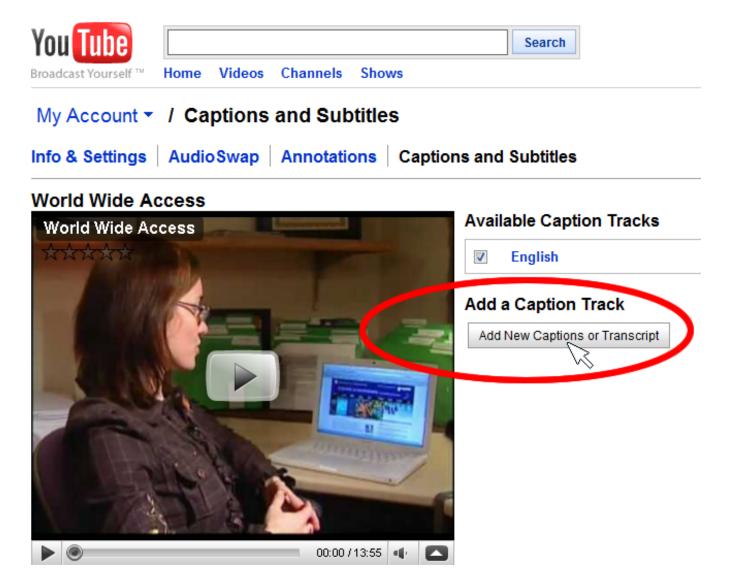
Adding an image? Add alt text.



Creating rich text? Use headings.



Linking to video? Caption it.



Uploading documents?

Take time to be sure your documents are accessible to all students.

What makes an electronic document accessible?

- Draft Information and Communication Technology (ICT) Standards and Guidelines (U.S. Access Board)
- Released for public comment
 Comments due June 21, 2010
- http://access-board.gov/508.htm

Electronic Document Accessibility (Slide 1 of 3)

- Text alternatives for non-text content
- Adaptable presentation of content
 - Information, structure, & relationships
 - Logically correct reading sequence
- Distinguishable Presentation of text content
 - Foreground/background contrast
 - Resize and reflow text

Electronic Document Accessibility (Slide 2 of 3)

- Navigation and Orientation
 - Document titles
 - Link purpose
 - Descriptive headings and labels
- Readability
 - Identify human language
- Input Assistance
 - Labels and instructions on forms

Electronic Document Accessibility (Slide 3 of 3)

- Compatible Technologies
 - Markup Language used according to specification
 - User interface components used according to their specification

HTML

- Highly structured language
- Possible for authors to create highly structured documents
- Possible for authors to create documents with little or no structure
- Structure is well-supported by AT
- Structure facilitates navigation for AT users (and has many other advantages)

Microsoft Word

- Heading structure possible through styles and formatting
- Alternate text can be added to images.
- No HTML-like accessible table structure
- Structural information (e.g., headings, alternate text) is communicated to AT
- Most structure is passed on to other file formats when documents are exported

Adobe PDF

- Three general types:
 - Unstructured (image)
 - Structured (embedded fonts)
 - Tagged (optimized for accessibility)

Tagged PDF

- Has HTML-like structure
- Supports alternate text for images
- Supports reflow (text wraps when zoomed)
- Is well-supported by AT
- Many PDF authoring tools and techniques do NOT create tagged PDF
- Untagged PDF docs can be tagged in Adobe Acrobat via the Accessibility menu
- Tags don't make a document accessible.
 They make accessibility possible.

Accessible On-line Slides

- My slides from a 2007 presentation "PowerPoint & Friends: Accessible Slides on the Web"
 - http://staff.washington.edu/tft/talks/powerpoint
- These slides are available in PowerPoint
 - Standard templates have been used
 - All images have alternate text
 - Not everyone has PowerPoint
- These slides are available in tagged PDF

More Resources

- WebAIM
 - Creating accessible Microsoft Word docs
 http://www.webaim.org/techniques/word
 - PDF Accessibilityhttp://www.webaim.org/techniques/acrobat/
- California State University PDF Tutorials
 - http://tinyurl.com/y2dnyl2
- Adobe Accessibility:
 - http://www.adobe.com/accessibility/

Still More Resources

- PowerPoint & Friends:
 Accessible Slides on the Web
 - http://staff.washington.edu/tft/talks/powerpoint/
- DO-IT
 http://washington.edu/doit
- AccessComputing <u>http://washington.edu/accesscomputing</u>
- These slides http://staff.washington.edu/tft