


# Universally Designed Course Materials



**The ACCESS Project**  
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## What Makes a Document Universally Designed?

- **Accessibility**
  - Structure Tags
  - Alternative Text for non-text elements
  - Contrast
- **Search-ability**
- **Select-ability for Copy and Paste**
- **Bookmarks or an Interactive TOC**
- **Text to Speech capability**



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## Content, Structure, and Presentation

- **Content**
  - The actual information you are providing in a document. This can include Text, Images, Videos, or Multimedia.
- **Structure**
  - The organization of content is *structure*. This includes headings, lists, tables, emphasis, etc.
- **Presentation**
  - One can add style rules to structural elements to give documents a particular appearance.



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## Images and Alt Text

- Alternative text for images should describe the meaning - based on the it's context



- Ice Cream Manufacturer
- Girl Scouts of America
- My Niece's Blog
- Diversity Website




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## Let's Make Our Own PDFs

- **Microsoft Word as the Native Editor**
  1. Print to PDF
  2. Save As PDF
    - <http://www.microsoft.com/downloads/details.aspx?familyid=F1FC413C-6D89-4F15-991B-63B07BA5F2E5>
  3. Adobe Acrobat Plugin for PDF




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## Make Your Own PDF Results

	Accessibility	Search/Ability	Copy/Paste	Bookmarks	Text to Speech
Print to PDF	✗	✓	✓	✗	✓
Save As PDF	✓	✓	✓	✓	✓
Adobe PDF Plugin	✓	✓	✓	✓	✓




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## Let's Look at Scanned PDFs

- Scanned PDF
- Scanned PDF with Optical Character Recognition
- Scanned PDF with OCR and Tags added




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## Scanned PDF Results

	Accessibility	Search-Ability	Copy/Paste	Bookmarks	Text to Speech
Scanned PDF	✗	✗	✗	✗	✗
Scanned PDF with OCR	✗	✔	✔	✗	✔
OCR and Tags	✔	✔	✔	✔	✔




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## UDL and Multimedia

**Transcripts**


- A written or text-based record of dictated or recorded speech. May contain additional relevant information, such as descriptions or comments.

**Captions**

- A transcript is timed to display with the video track, it displays on screen as a caption.

**Descriptive Audio**

- The narration of key visual elements in a video or multimedia product.




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**Captioning**

- **AutoMatic Sync**
  - Upload audio track and transcript
  - <http://www.automaticsync.com/caption/index.htm>
- **CaptionTube for YouTube videos**
  - Type directly into the application, as the video plays
  - <http://captiontube.appspot.com/>
- **MAGpie**
  - Works with most major video formats
  - <http://ncam.wgbh.org/webaccess/magpie/>




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**UDL Modules**

- **Teaching**
- **Technology (course materials)**
  - Microsoft Word
    - Styles and Headings
    - Images
  - Adobe PDF
  - HTML
  - E-Text
- <http://accessproject.colostate.edu>




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**Thank you!**

The ACCESS Project  
 accessproject@colostate.edu  
<http://accessproject.colostate.edu/udl/modules/>

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