



Universal Design for Learning

Teaching & Learning Mini-Virtual Conference

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Outcomes for Today

- Explain what Universal Design for Learning means
- Identify why it is important
- Summarize how Bb Ally helps you with UDL and accessibility guidelines

Universal Design is ...

the design and composition of an environment so that it can be

- **accessed,**
- **understood,** and
- **used** to the greatest extent possible by all people regardless of their age, size, ability or disability.

[Institute for Human Centered Design](#)

NDSU NORTH DAKOTA
STATE UNIVERSITY

Universal Design Example



Source: Why we need Universal Design

[TEDx Talk talking about Universal Design and why it is important](#)

Universal Design for Learning is

- provides all students with an **equal opportunity** to learn,
- designed in **flexible ways** to meet the needs of individual learners, and
- **prepared with flexible means, methods, and materials** to better meet the needs of every student.

What is UDL?

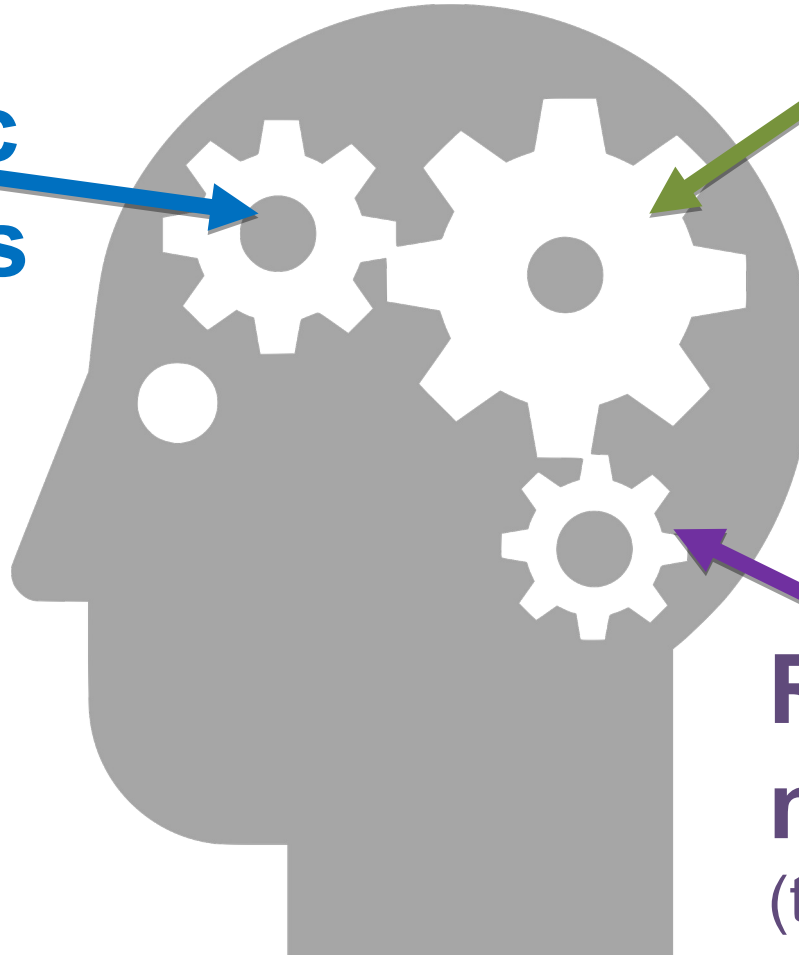


How Humans Learn

UDL Guidelines

[CAST](#)

**Strategic
networks**
(the how)



**Affective
networks**
(the why)

**Recognition
networks**
(the what)

The Why: Engagement

- Choice & autonomy (but not too much)
- Provide students with options on how to engage in course activities
- Align goals & objectives for relevance & value

The What: Representation

- Variety of ways to display and provide information
- Connect to previous knowledge for improved understanding
- Illustrate through multiple means

The How: Action & Expression

- Students choose from among ways to demonstrate what they have learned
- Flexibility in some deadlines
- Provide multiple opportunities for strategy development and feedback

Example: UDL Assignment

- Describe various types of learning
- Options
 - Poster
 - Research Report
 - Presentation
 - Video/computer simulation
- Due date fixed, drafts flexible

Example: UDL Content

- Provide multiple formats of information
- Captions on videos
- Provide audio only options without visual distractions

A Quick Review...

Provide:

- 1) Multiple means of engagement
- 2) Multiple means of representation
- 3) Multiple means of expression





Making Simple Changes

- Blackboard Ally
 - Alternative Formats for students
 - Guidance for Instructors to improve accessibility
- Where to start
 - Syllabus
 - Textbook, required readings
 - Videos captioned
- Video Captioning

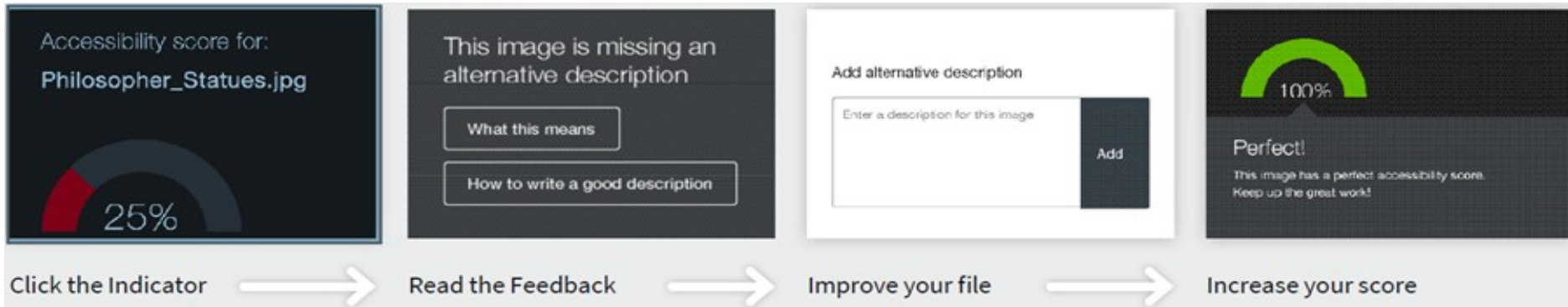
Instructor View

Universal Design for Learning & Accessibility



Attached Files:  Universal Design Powerpoint 2020.pptx   (6.757 MB)


-  **Low** (0-33%): Needs help! There are severe accessibility issues.
-  **Medium** (34-66%): A little better. The file is somewhat accessible and needs improvement.
-  **High** (67-99%): Almost there. The file is accessible but more improvements are possible.
-  **Perfect** (100%): Perfect! Ally didn't identify any accessibility issues but further improvements may still be possible.

Instructor View with Guidance











Student View

Syllabus Outline and Template  

Download alternative formats 

Selected file:

-  Syllabus Outline.docx
-  Tagged PDF
Structured PDF for improved use with assistive technology
-  HTML
For viewing in the browser and on mobile devices
-  ePub
For reading as an e-book on an iPad and other e-book readers
-  Electronic braille
BRF version for consumption on electronic braille displays
-  Audio
MP3 version for listening
-  BeeLine Reader
Enhanced version for easier and faster on-screen reading

 [Help](#)

Resources

- Center for Applied Special Technology (CAST)
[Universal Design for Learning Guidelines](#)
- [Universally Designed Assignments](#)
- [UDL and Accessibility @NDSU](#)
- OTL [Universal Design](#)
- Blackboard Help [Ally for Blackboard](#)