What is Universal Design for Learning?

A proactive approach to creating an inclusive curriculum by reducing/removing barriers “to improve and optimize teaching and learning for all people based on scientific insights into how humans learn.”

http://udlguidelines.cast.org
What is Universal Design for Learning?

**Engagement (Affective)**
Tap into learners’ interests, offer appropriate challenges, increase motivation

**Representation (Recognition)**
Various ways of acquiring information and knowledge

**Action & Expression (Strategic)**
Alternatives for presenting what they know

http://udlguidelines.cast.org
What is Accessibility?

“Accessibility is the degree to which a product, device, service, environment, or facility is usable by as many people as possible, including by persons with disabilities.”

https://accessibility.iu.edu/understanding-accessibility/
Students with Disabilities (2015-16)

- Percentage of undergraduates with disabilities: 19.4%
- Percentage of postbaccalaureates with disabilities: 11.9%

https://nces.ed.gov/fastfacts/display.asp?id=60
Instructional Consulting Assistance

Design of learning resources

• Materials: multiple forms of representation
  • Graphic syllabus
  • Closed captions in Kaltura videos

• Assignments: multiple forms of expression
  • Differentiated assignments in Canvas

• IC Summer Internship Program
Instructional Consulting Assistance

Accessibility tools/training

• UDOIT accessibility checker in Canvas

<table>
<thead>
<tr>
<th>Errors</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 No table headers found</td>
</tr>
<tr>
<td>1 Links should contain text</td>
</tr>
<tr>
<td>18 Multimedia objects should have text equivalents (e.g., transcripts)</td>
</tr>
<tr>
<td>18 All &quot;embed&quot; elements have an associated &quot;noembed&quot; element</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Suggestions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Consider adding headings to your document to create more structure</td>
</tr>
<tr>
<td>2 Link text should be descriptive</td>
</tr>
<tr>
<td>70 Avoid using styles for document structure</td>
</tr>
<tr>
<td>18 An object might require a long description</td>
</tr>
<tr>
<td>18 Multimedia may require plugins to display properly</td>
</tr>
<tr>
<td>18 Interfaces within objects should be accessible</td>
</tr>
</tbody>
</table>
Instructional Consulting Assistance

Accessibility tools/training

- UDOIT accessibility checker in Canvas
Instructional Consulting Assistance

Accessibility tools/training

- UDOIT accessibility checker in Canvas
Resources: IU Online Courses

- ADA Awareness for Faculty course: [https://expand.iu.edu/browse/e-training/courses/ada-for-faculty](https://expand.iu.edu/browse/e-training/courses/ada-for-faculty)
- Creating an Accessible Syllabus using Microsoft Word: [https://expand.iu.edu/browse/ittraining/single/courses/creating-an-accessible-syllabus-using-microsoft-word](https://expand.iu.edu/browse/ittraining/single/courses/creating-an-accessible-syllabus-using-microsoft-word)
- IU Teaching Online Series: [https://expand.iu.edu/courses/teaching-online-series](https://expand.iu.edu/courses/teaching-online-series)
  - Module 7: Usability and Visual Design
  - Module 8: Accessibility
  - Module 1: Enhancing your course design practices (UDL)
  - Module 6: A focus on accessibility
- Fundamentals of Online Teaching (spring semester)
  - Module 1: Universal Design for Learning and Accessibility
Resources: Canvas LMS

- General Accessibility Design Guidelines: [https://community.canvaslms.com/docs/DOC-2060](https://community.canvaslms.com/docs/DOC-2060)
- Creating Accessible Tables in the Rich Content Editor: [https://community.canvaslms.com/docs/DOC-7118](https://community.canvaslms.com/docs/DOC-7118)
- How to Use the Accessibility Checker in the Rich Content Editor: [https://community.canvaslms.com/docs/DOC-13345-4152808104](https://community.canvaslms.com/docs/DOC-13345-4152808104)
- UDOIT: How to Run a Scan in Canvas: [https://kb.iu.edu/d/auae](https://kb.iu.edu/d/auae)
- Canvas Studio: Accessible syllabus [https://iu.instructure.com/courses/1716451](https://iu.instructure.com/courses/1716451)
Resources: Other

- Accessibility@IU: [https://accessibility.iu.edu](https://accessibility.iu.edu)
  See Creating Accessible Content > Electronic Documents: [https://accessibility.iu.edu/creating-content/documents/index.html](https://accessibility.iu.edu/creating-content/documents/index.html)
  - Word
  - Excel
  - PowerPoint
  - PDFs
- ADA@IU: [http://ada.iu.edu/](http://ada.iu.edu/)
UDL and Accessibility Resources
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