Accessibility Requirements for UH Websites

Section 508 and WCAG 2.0 Level A & AA

These slides are at goo.gl/09Ifa2







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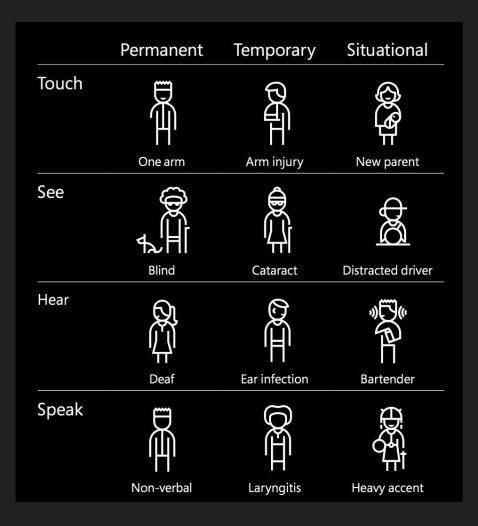
What is Accessibility?

Accessibility is about access, not disability.



Why is Accessibility Important?

Without accessibility, those with disabilities would not be able to participate in this increasingly technology driven world.



Physical Disabilities

- Color blind
- Low-vision or legally blind
- Hearing loss
- Low motor control
- Cognitive (e.g., dyslexia, high stress, non-native speaker, etc.)
- and more...



Environmental/Temporary Disabilities

- Very small or large screen sizes
- Touch-only or keyboard-only
- Projected or on a TV
- Poor lighting
- Slow connection speed
- Background noise
- Printed
- User-overridden style sheets
- and more...





Browser "Disabilities"

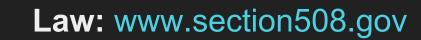
- Old IE
- Edge
- Safari (the new IE)
- Chrome
- Firefox
- Opera Mini
- UC Browser
- WebView (in-app)
- Different versions of the same browser
- and more...





2 Rule Sets







WCAG 2.0



Specs: www.w3.org/TR/WCAG20



508 V UKAG

Checklist: webaim.org/standards/wcag/checklist



Compliance Deadline (spoiler: January 18, 2018)

Section 508 or WCAG 2.0?

Already 508 compliant?

Should update to WCAG 2.0 A and AA.

"Safe-harbor" exemption if already fully compliant as of January 2018. Not yet 508 compliant?

Must update to WCAG 2.0 A and AA.



What does compliance mean?



What see is **not** what you get.



Alt Text on Images

alt="A woman sits under a tree reading a book"

For design only: alt="" aria-hidden="true" role="presentation"

Color Blindness







Monochromacy Our 10 Campuses Across the Hawaiian Islands

Programs of Study Discover the program that is right for you

How to Apply

Enroll in one of our dynamic and diverse campuses Paying for College

Find financial aid and scholarship opportunities





Protanopia

Our 10 Campuses Across the Hawaiian Islands

Programs of Study Discover the program that is right for you How to Apply Enroll in one of our dynamic and diverse campuses Paying for College

Find financial aid and scholarship opportunities

Color Contrast



Home About Contact	Home About Contact		Home About Contact
19.6	1.7	2.1	1.8
https://leaverou.githu	ub.io/contrast-ratio/	Universities <u>Mānoa</u> Hilo West Oʻahu	

Low Vision





https://www.aao.org/eye-health/diseases/cataracts-vision-simulator

Low Vision







https://www.aao.org/eye-health/diseases/glaucoma-vision-simulator

Hearing Challenges



Ua mālama 'ia nā waihona leo ma ke 'ano he waiho, a MP3 a AAC pa a.

Nā Mele Oli

- 1. He Hale Aloha
- 2. Mele Komo (A Uka Hoʻi...)

3. Mele Kāhea (He Hālaulani I Ke Ao O Hilo...)

4 Ke Lei Maila



Closed Captions on Video

/ Info & s	Settings 🌾 Enhancements 🎜 Audio 🔳	End screen & Annotations O Cards C Subtitles/CC
	blished subtitles and CC: English C source: University of Hawaii at Hilo	Edit Unpublish
Actions -		
0:00.4 0:02.9	Welcome to UH Hilo's registration tutorial.	UH Hilo STAR GPS Registration Fall 2017
0:02.9 0:08.0	Here you will find out how easy it is to register for classes using our STAR GPS Registration	UH Hilo STAR GPS Registration
0:08.0 0:09.6	system.	
0:09.6 0:13.1	Before registration, you will need a UH username and password.	STAR UNIVERSITY of HAWAI'I
0:13.1 0:16.5	If you do not already have one, please go to the link below this video to learn how	A UT Method Innovation HILO ► ■) 0:00 / 5:10
0:16.5 0:19.5	to create a username and password before continuing.	Welcome to UH Hilo's registration tutorial. Here you will find out how easy it is to register for classes using our STAR GPS Registration system. Before registra- need a UH user and password.
		decing march 12. and 18 decided and the brand the model the model the

Transcripts for Audio

UH Hilo Report Apr 5, 2017 MP3 file

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00:00/01:00

Transcript:

This is the UH Hilo report. News about people, events and programs at the University of Hawai`i at Hilo.

UH Hilo Vice Chancellor for Academic Affairs (VCAA) Dr. Matthew Platz and the University's Maintenance Crew have been nominated by the University of Hawai'i System for 2017 Governor's Awards. The awards honor state executive branch employees, managers and work teams who exemplify the highest caliber of public service and dedication to serving the people of Hawai'i.

Dr. Platz was selected as the system nominee for Manager of the Year. His colleagues describe him as "a visionary with courage to lead institutional change" and "a true leader who inspires, empowers and brings out the best in those around him."

The eight-member Maintenance Crew is the system's choice for Team of the Year. Their positive 'can-do' attitude, teamwork and efficiency has enabled them to complete more complex tasks in-house, and save the campus thousands of dollars.

The statewide winners along with the Employee of the Year will be announced at the Governor's Awards Ceremony May 18 at the State Capitol. For more news about the University, visit hilo.hawaii.edu. That's the UH Hilo Report. I'm Ken Hupp.



Stress and Crisis

IIAWAII

Campuses -

Admissions 🔻

s 🔻 🛛 UH System 🔻

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Community Colleges

Hawai'i

Honolulu

Kapi[•]olani

Kaua'i

Leeward

Maui

Windward

Distance Learning

UH Education Centers

Continuing Education

UH Community Colleges

https://geon.github.io/programming/2016/03/03/dsxyliea

Dyslexia

Dsiylxea

A fnreid who has dixselya dseiercbd to me how she excpenreies rindaeg. She can raed, but it taeks a lot of ctoicranotnen, and the lertets smees to "jmup aounrd".

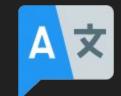
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Jpcvriasat 1





Low Motor Control / Large Input Device





Low Motor Control / Large Input Device



Viewport Sizes

Calendar Directory MyUH Work at UH

🎔 f 🞯 🚥 🛗



UNIVERSITY of HAWAI'I° MENU≡



Our 10 Campuses



Our 10 Campuses Across the Hawaiian Islands

 Programs of Study
 How to Apply

 Discover the program that is right for you
 Enroll in one of our dynamic and diverse campuses

UH News

New registration app guides

students to timely graduation



More UH News
In Memoriam: Roy Takeyama
remembered for decades of service to
UH

Paying for College

Find financial aid and

scholarship opportunities

r treatment potential of

ironweed plant

 Nursing simulation lab offers UH West O'ahu students hands-on learning
 Raising mental health awareness
 James Burns remembered during



Other Common Issues



No :hover on mobile



PDF, Word, Excel, PowerPoint









No!



https://get.adobe.com/reader/

Other Common Issues

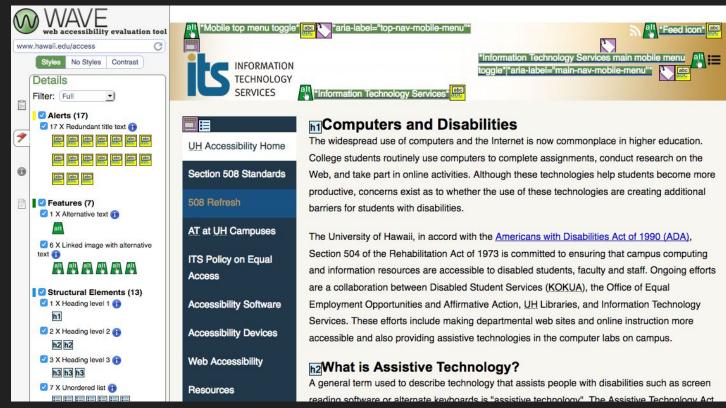
- "Skip links" required for repetitive navigation
- Proper <form> markup (e.g., <label> tags)
- Link text must have context (e.g., "click here")
- Multiple links with same link text cannot lead to different places (e.g., "read more")
- Headings (h1-h6) must follow outline hierarchy
- Use lists (ul, ol) for lists and properly marked up tables for data (thead, th)
- Do NOT use outline:0 or outline:none for focus outline in CSS

hilo.hawaii.edu/help/accessibility.html



Automated Testing Tools: A good first step

WAVE: wave.webaim.org





Summary

I do not always experience the content the same way you do.



UH Accessibility Website

www.hawaii.edu/access

Campus ADA Coordinators

www.hawaii.edu/offices/eeo/ada-504-coordinators/



Q & A

Additional Links

- <u>18F Accessibility Guide</u>
- <u>WAVE</u> (free page accessibility testing tool)
- <u>SortSite Desktop</u> (paid site testing tool, including accessibility)
- <u>SiteImprove</u>, <u>Monsido</u>, ..., (expensive enterprise-level site testing tools)
- WebAIM Checklists for <u>508</u> and <u>WCAG2</u>

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