Digital Accommodation

Strategies for making BSU’s website more accessible

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Disability Defined

What is a disability?

U.S. federal law defines disability as ... “a physical or mental impairment that substantially limits one or more major life activities.” (U.S.C, §12102)

Life activities include: “seeing, hearing ... learning, reading, concentrating, thinking, communicating, and working.”
What disabilities can prevent people from successfully accessing our website?

- Visual limitations
- Mobility limitations
- Hearing limitations
- Cognitive limitations
Some types of limitations

- Chronic or temporary vision loss (fatigue, optomological treatments, &c.)
- Color blindness
- Partial or complete blindness
Visual Limitations: Sizing Issues

Event: desktop view

Fairly easy to read on desktop, but ...

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National Potato Chip Day

Celebrate National Potato Chip Awareness Day

Friday, March 12

Free chips!
Cafeteria 10 am–12 pm

Chef Joel Rookle demonstrates his famous potato chip flambe
Student Center, Cafeteria, 12 pm

Lecture: Why We Love Junk Food
Student Center Ballroom, 2 pm

Film: The Big Crunch
Student Center Ballroom, 5 pm
Visual Limitations: Sizing Issues

Organization chart: mobile view

... too small to read on mobile.
Visual Limitations: Sizing Issues

Organization chart: mobile view

A better solution for mobile

National Potato Chip Day

Celebrate National Potato Chip Awareness Day

• Friday, March 12
• 10 a.m. - 12 p.m.
• Cafeteria

Chef Joel Rookie demonstrates his famous potato chip flambe.
Visual Limitations: Sizing Issues

Strategy: Enlarge items on the screen

How to magnify your web browser (and other) screens

• Ctrl+Shift+Plus sign
• Ctrl+scroll wheel
• Browser controls
• Page controls (A A A) - pablind.org
• Magnifying software
Visual Limitations: Visibility Issues
Strategy: Use adaptive software

Popular screen reading software

- JAWS (Job Access With Speech) for Windows (c. $1k)
- VoiceOver for iOS (included)
- TalkBack for Android (included)
Visual Limitations: Visibility Issues
Demo: JAWS
Visual Limitations: Non-text Elements

Image on page: no alternative text

Screen readers (and search engines) can’t identify this image. Why not?

Interviews

We take interviews personally. They are our best way of getting to know you and a great way for you to learn more about Wake Forest.

Whether face-to-face or via webcam, it is our priority to put a personality with a name in our search for future Wake Forest students. The interview provides us with a personal and unrehearsed component to the admissions process while offering prospective students the opportunity to tell us about something we might not learn from an application.

In our personalized application and merit-based scholarship review process, the interview plays an important role in how we make decisions. Interviews are conducted by members of the Admissions Committee only. We will begin interviewing first year applicants for the Fall 2015 term on June 1. Prospective students are not required to have submitted an application for admission in order to schedule an interview.

Because open appointment slots become limited in the fall, scheduling an interview during the summer months is strongly encouraged. In addition to interviews on campus, webcam interviews are offered throughout the summer and are evaluated no differently than those conducted on campus.
Visual Limitations: Non-text Elements

Image on page: no alternative text

No image description has been provided.
Visual Limitations: Non-text Elements

Image on page: alternative text provided
Screen readers (and search engines) can identify this image.
Mobility Limitations

Some types of limitations

• Temporary impairment (sprains, broken bones, fatigue, &c.)
• Chronic impairment (Arthritis, MS, ALS, &c.)
• Permanent impairment: congenital defects, missing limbs
B.S. in Religious Studies

Required Courses
A Bachelor of Arts in Religious Studies requires 60 units of course work, distributed as follows:

1. Two courses (at least 3 units each) from courses numbered 1-49, including approved Thinking Matters or Introductory Seminars. IHUM courses with Religious Studies content taught prior to 2012-13 also fulfill this requirement.

2. Two courses (at least 3 units each) from courses numbered 50-99.

3. Three integrative courses (at least five units each) as follows:
   1. Majors’ Seminar (5)
   2. Majors Seminar (Winter Quarter of junior year; fulfills WIM requirement; letter grade only)
   3. Senior Essay or Honors Thesis Research (5)
   4. Senior Majors’ Colloquium (5) Senior Colloquium (Spring Quarter; grading option S/NC)

At least 24 of the remaining units should be in courses numbered 100-289. At least two of these courses should be 200-level seminar courses.

Additional Regulations
1. Variations to the required distribution of courses under 1 and 2 above may be approved by the Director of Undergraduate Studies on an individual basis.
2. All units must be in Religious Studies courses unless an exception is made by the Director of Undergraduate Studies.
3. No more than ten units of the total 60 may be taken for the grade of "S/NC or CR/NC".
4. Students may not take all courses in one religious tradition.
Mobility Limitations: Content

BS in Religious Studies: mobile view

... at least four screens on mobile.
Mobility Limitations: Content

BS in Religious Studies: mobile view

Groups similar content on a single web page when possible.

B.S. in Religious Studies

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Hearing Limitations

Some types of limitations

- Degrees of deafness (hard of hearing, completely Deaf)
- Language barriers (written English vs. ASL, &c.)
Hearing Limitations: Captioning
Miss CIAA competition video #1
No captions offered
Hearing Limitations: Captioning
Miss CIAA competition video #2
Ineffective captions offered
Hearing Limitations: Captioning

Miss CIAA competition video #3

Effective captions offered
Cognitive Limitations

Some types of limitations

• Temporary limitations (concussion, stress/distraction, fatigue, &c.)
• Chronic or permanent cognitive disabilities
Cognitive Limitations: Content

Tuition and fees schedule: dense layout

How much for out-of-state undergrad taking 6 credits?
Cognitive Limitations: Content

Tuition and fees schedule: clear layout
Fee information easy to find

<table>
<thead>
<tr>
<th>PART-TIME OUT-OF-STATE</th>
<th>TUITION</th>
<th>FEES</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Credits</td>
<td>$2,889</td>
<td>$259</td>
<td>$3,148</td>
</tr>
<tr>
<td>6 Credits</td>
<td>$5,778</td>
<td>$493</td>
<td>$6,271</td>
</tr>
<tr>
<td>9 Credits</td>
<td>$8,667</td>
<td>$727</td>
<td>$9,394</td>
</tr>
</tbody>
</table>
Cognitive Limitations: Unclear Layout

Archived issues of a school magazine
Problem with left-to-right, top to bottom order

<table>
<thead>
<tr>
<th>January 1935</th>
<th>February-March 1939</th>
<th>March-April 1943</th>
<th>June 1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>March Edition 1935</td>
<td>June 1939</td>
<td>September-October 1943</td>
<td>December 1950</td>
</tr>
<tr>
<td>December 1936</td>
<td>December 1939</td>
<td>February-March 1944</td>
<td>April 1952</td>
</tr>
<tr>
<td>March 1937</td>
<td>February-March 1940</td>
<td>May-June 1944</td>
<td>June 1953</td>
</tr>
<tr>
<td>June 1937</td>
<td>October 1940</td>
<td>November 1944</td>
<td>June 1955</td>
</tr>
<tr>
<td>October 1937</td>
<td>November 1940</td>
<td>March 1945</td>
<td>December 1959</td>
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<td>December 1937</td>
<td>December 1940</td>
<td>June 1945</td>
<td>January 1961</td>
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<tr>
<td>February 1938</td>
<td>April-May 1941</td>
<td>May 1946</td>
<td>March 1967</td>
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<tr>
<td>September-October 1938</td>
<td>June 1942</td>
<td>June 1948</td>
<td>October 1967</td>
</tr>
<tr>
<td>November-December 1938</td>
<td>October-November 1942</td>
<td>June 1949</td>
<td></td>
</tr>
</tbody>
</table>
### Cognitive Limitations: Unclear Layout

Archived issues of a school magazine

Correct left-to-right, top to bottom order, but what about mobile?

<table>
<thead>
<tr>
<th>Date</th>
<th>Edition</th>
<th>Date</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 1937</td>
<td>October 1937</td>
<td>December 1937</td>
<td>February 1938</td>
</tr>
<tr>
<td>September-October 1938</td>
<td>November-December 1938</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Cognitive Limitations: Unclear Layout

Archived issues of a school magazine

Best, desktop AND mobile-friendly solution

Magazines

- January 1935
- December 1936
- March 1937
- June 1937
- October 1937
- December 1937
- February 1938
- September-October 1938
Accessibility for the Future

What’s ahead for BSU?

• 508 Compliance
  Section 508 of the Rehabilitation Act of 1973 requires agencies to make their electronic technology accessible to people with disabilities. Failure to comply can have fiscal consequences.

• Beyond 508
  Fewer barriers to people with disabilities encourages greater enrollment and greater retention at our university. This is good for everyone: potential students, new students, veteran students, and the BSU community (faculty and staff).
Accessibility for the Future

What resources are available?

• Section508.gov - section508.gov
• WCAG – Web Content Accessibility Guidelines - w3.org/TR/WCAG20
• VPAT - Voluntary Product Accessibility Template - itic.org/policy/accessibility
Questions and Discussion

bowiestate.edu/accessibility