Learning without Barriers

OLC 2018 Digital Learning Innovation Award

Dr. D’Nita Andrews Graham
Assistant Professor of Computer Science
Norfolk State University
Session Learning Outcomes

1. Identify Learning Barriers
2. Identify Affordable Learning Solutions
3. Illustrate the Impact on Homework, Exam, and Pass Rate Scores
A little about NSU...
Norfolk State University

Type
- Public HBCU
- Comprehensive University

Student Headcount
- 5,305

Faculty
- 247 Full time
- 109 Part time
Why Digital Textbooks vs Print Books?

Barrier
- High Cost of Textbook
- Faculty Not Aware of Cost

Solution
- Affordable
- Accessible

Impact
- Cost Saving
- Overall Scores Increased
Learning Barrier

Increases in College Textbook Prices Over 40 Years

- 1,216%
- 835%
- 439%
- 404%

Students make sacrifices to afford their textbooks and course materials

- 4 in 10 skipped meals
- 2 in 10 changed their major to reduce the cost
- 3 in 10 decided not to take a course because of the high cost of textbooks
- 3 in 10 have taken fewer classes

86% of students spend a few hours to a week searching for affordable course material options

Source: BLS.gov
Do Students Have Smartphones?

92% of students on college campuses have smartphones.
Digital Learning Changing the World

Full eBook Access
Mobile Learning

Quizzes and Flashcards

In November 2016, Republican presidential candidate Donald Trump triumphed over Democratic candidate Hillary Clinton, who had maintained control of the U.S. Senate and House of Representatives, although they did suffer minor losses. Trump certainly has one of the most unusual backgrounds ever for a president, with no experience in elected or appointed public office. One consequence of his victory has been an explosion of interest in political news. Online news sites, including that of the New York Times, have experienced large increases in viewership. The same goes for cable news networks such as Fox News and MSNBC. For many people, American politics and government have never been more interesting.

Trump won the presidency by carrying the vote in the electoral college, even though Clinton’s popular vote was more than 2 percentage points greater than his. Many have wondered how a can-
What Today’s Learners Demand

Dictionary

Flashcards

Glossary
Impact

Homework Scores

- Spring 2017: 93.97%
- Spring 2018: 94.00%
- Spring 2019: 93.00%
- Spring 2020: 75.00%
Impact

Pass Rate

<table>
<thead>
<tr>
<th>Year</th>
<th>Pass Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring 2017</td>
<td>60%</td>
</tr>
<tr>
<td>Spring 2018</td>
<td>78.30%</td>
</tr>
<tr>
<td>Spring 2019</td>
<td>80.00%</td>
</tr>
<tr>
<td>Spring 2020</td>
<td>81.70%</td>
</tr>
</tbody>
</table>
Contact Information

Behold the Green and Gold