Technology in Higher Education

Student Affairs Division Retreat
August 6, 2013
Bradley Davis, Amy Hector,
Jorja Waybrant & Leslie Wright
Mid-Afternoon Agenda

• K-12 Technology
• UNCW Technology
  • Classroom
  • Outside the Classroom
• Student Affairs Competencies & Technology
  • Group Discussion
• Professional Development & Technology
What experiences with technology do our students bring with them?

New Hanover County: A sample
K-12 Technology

- Technology isn’t taught separately, but infused into their everyday learning.
  - Career Technology Class in Middle School

- Universal Design
  - What is the purpose of the lesson?
  - What can the student do to still reach the Goal?
  - Then, everybody should be able to do the assignment
K-12 Technology

• Fixed labs are being replaced by mobile units
• All schools have
  • Technology carts with laptops
  • Wireless access
  • Set of iPads
• Some schools have
  • Nooks
  • More than others based on PTA funds
K-12 Technology

• Teachers
  • Summer Institute
  • Assistive Technology Liaisons

• Students
  • Can bring their own devices
  • Wi-Fi available at local businesses and library
K-12 Technology

• **All Students**
  • Clickers
  • Poll Everywhere
  • E-Books
  • Mimeo
  • Video/You Tube
  • Lessons on Cyber bullying & Internet Safety
K-12 Technology

- **Elementary School: K-5th Grade**
  - Games
  - Apps
  - 4th-12th grade: Google Apps for Education
  - 5th graders: GPS/Geo Cashing
  - PPT presentations
  - Glogster
  - Edmodo
K-12 Technology

- **Middle & High School: 6th-12th Grade**
  - Blogging
  - Online classes
    - NCVPS
    - Apex Learning
    - College classes
    - Summer School
  - Live Binder
  - Myrtle Grove Middle School: Minecraft
  - Flipped Classrooms
  - Social Media
  - Information Literacy- Media Coordinators
Students in Postsecondary-ed: Today’s students & technology
Why Is It Important?

• Technological innovations have a major influence on teaching methodologies

• Globalization of higher education

• New technology impacts other areas of campus administration
Synchronous vs. Asynchronous

- **Synchronous** online classes are those that require students and instructors to be online at the same time. Lectures, discussions, and presentations occur at a specific hour. All students must be online at that specific hour in order to participate.

- **Asynchronous** learning is a student-centered teaching technique in which online learning resources are used to enable information sharing between people in a network. In asynchronous learning, information sharing is not limited by place or time. Asynchronous learning is facilitated by media, such as email, online discussion boards, email lists, blogs and wikis.
Class Elements

**Synchronous**
- Chat (text only)
- Voice
- Video conferencing
- Web conferencing
- Virtual worlds

**Asynchronous**
- Virtual Libraries/Repositories
- Email
- Discussion Boards
- Social Networking
- E-portfolios
Inside the Classroom

• Course Management Systems
  • Blackboard Learn

• Smart Classrooms
  • Classroom that is equipped with computer and audiovisual equipment, allowing the professor to teach using a wide variety of media.
Integrating Technology in the Classroom

- Technology to support teaching & information sharing
- Technology to support collaboration
Technology to support Teaching and Information Sharing

- Aids and assists faculty & instructors to deliver course content
  - PowerPoint & Slideshare
  - Online quizzes
  - Podcasts

- Enhance the classroom experience & lectures
  - Smart boards
  - Clickers
This image is a poll’s place holder. Enter slide show mode (F5) to view your live poll.

You can resize this image to resize where your poll will load in slide show mode.

Make sure you’ve installed the PollEv Presenter app (pollev.com/app) and are connected to the internet!

If you need to duplicate this poll make sure to copy/paste the entire slide (not just the place holder image).
Technology that supports Collaboration

- Supplements to the classroom experience
  - Tools for student-to-student and instructor-to-student interaction
    - Video conferencing
    - Skype
  - Tools to share thoughts
    - Blogs
    - Discussion Boards
    - Wikis
    - Email
Benefits of Technology

• Access course material immediately

• Promotes collaboration

• Information sharing

• Variety enhances learning.

• Student engagement in the classroom
Outside the Classroom

• Networking/Building Relationships

• Gaming

• Entertainment

• Evolution of the Smartphone
Networking/Building Relationships

- “A Place To Meet People”
- “I found this new recipe”
- “I saw this idea and wanted to do this in my apartment”
- “Follow Me”
- “It’s how I get the news”
- “Tag Me”
This image is a poll’s place holder. Enter slide show mode (F5) to view your live poll.

You can resize this image to resize where your poll will load in slide show mode.

Make sure you’ve installed the PollEv Presenter app (pollev.com/app) and are connected to the internet!

If you need to duplicate this poll make sure to copy/paste the entire slide (not just the place holder image).
According to a GlobalWebIndex study, two factors that are driving the social web….

- **Mobile**
  - the number of people accessing the internet via a mobile phone increasing by 60.3% to 818.4 million in the last 2 years.

- **Older users adoption**
  - On Twitter the 55-64 year age bracket is the fastest growing demographic with 79% growth rate since 2012. The fastest growing demographic on Facebook’s and Google+’s networks are the 45 to 54 year age bracket at 46% and 56% respectively.
Nike Kobe 8 Deep Royal Blue/Tour Yellow-Midnight Navy
Instagram

ggartrelle
2 months ago
Preview from @zackhambyphoto! #jlove @jemgirl30!

❤ cutiemcsweety117, mollmarra, jaydasmom720 and 72 others like this.

cakes_757
Congrats guys!!!

ggartrelle
Thanks @cakes_757!!

thealexandrmshow
Very nice!

ggartrelle
Thanks Phrat!! @thealexandrmshow

avnda
Congratulations! @ggartrelle
Gaming
Entertainment

- Hulu
- Netflix
- YouTube
Evolution of the Smartphone

- Usage & popularity
- Apps
Sources

- http://uncw.edu/oel/stats.html
- http://law.fordham.edu/information-technology/21007.htm
- http://edutechwiki.unige.ch/en/Learning_management_system
- http://www.techopedia.com/definition/23154/asynchronous-learning
- http://www.elearners.com/online-education-resources/online-learning/synchronous-vs-asynchronous-classes/
Social Media 2013

• Social Media 2013
ACCESSIBILITY is everyone’s responsibility
“'Accessible’ means a person with a disability is afforded the opportunity to acquire the same information, engage in the same interactions, and enjoy the same services as a person without a disability in an equally effective and equally integrated manner, with substantially equivalent ease of use.....The person with a disability must be able to obtain the information as fully, equally and independently as a person without a disability.”

http://www.insidehighered.com
July 26, 2013
ACPA and NASPA
Professional Competency Areas for Student Affairs Practitioners

Revisited
Professional Competency Areas for Student Affairs Practitioners

- Advising and Helping
- Assessment, Evaluation, and Research
- Equity, Diversity, and Inclusion
- Ethical Professional Practice
- History, Philosophy, and Values
- Human and Organizational Resources
- Law, Policy, and Governance
- Leadership
- Personal Foundation
- Student Learning and Development
What are the basic competencies SA professionals should have around technology?

- Think about how you interact with students and the campus community
  - What should we know and be able to do easily when it comes to technology?
  - What are some of the ways that you might be able to use technology for your office/department?
  - What are some of the reasons for not using technology?
  - What might be holding back your particular office when it comes to technology?
  - What might be holding back universities and staff when it comes to technology?
- What are some myths, assumptions, values related to technology use?
Student Affairs Professionals

What my family thinks I do
What my friends think I do
What society thinks I do

What professors think I do
What I think I do
What I really do
Technology & Professional Development
Professional Development

Skills and knowledge attained through various mediums for one or more of the following reasons:

Personal Development
Career Advancement
Career Competency
Technology

- Gives us ACCESS to people, resources, information and ideas
- Could be its own competency
- Innovative
Technology as a Competency

• Student will know that you don’t “get it”

http://www.youtube.com/watch?v=6KMOwBBT6iA

• Curriculum: Higher Ed Programs
• Faculty
• Professional Associations
  http://convention.myacpa.org/indy2014/
  http://conference2014.naspa.org/
Technology & Professional Development

• Using technology as an avenue for professional development

• Example: Chatting with professionals on Twitter, following a backchannel at a conference, etc.

• Can help you become more competent with technology

• Competent in talking about and using Twitter, hashtags, backchannels, trending, subtweeting, retweeting
Technology & Professional Development

Self-Assessment
Connections, Conversations & Community

- **Twitter**  [www.twitter.com](http://www.twitter.com)
  - @SATechTalk
  - @The_SA_Blog
  - #SAchat
  - Conference Backchannels

- **Facebook**
  - Groups
  - Professional Organizations
Circles
Share and receive updates from the right people

Share selectively
Circles make it easy to share the right things with the right people, just like in real life. Now you can share some things with close friends, others with coworkers, and maybe family too.

See every important post
Circles let you filter what people are sharing and get notified when important people in your life make a post. So you can catch up with close friends fast.

Simple sharing across Google and the web
From restaurant directions in Google Maps to breaking stories from your favorite news source, Circles makes sharing your latest discoveries even easier.
Connections, Conversations & Community

- Google Chat/Hangout
- Listservs
- Skype
- LinkedIn
Curating, Collecting & Creating

- Pinterest  http://pinterest.com/hectora37/teaching-and-learning/
- Delicious  https://delicious.com/hectora38
- Feedly
- Mendeley.com- manages research
- Academia.edu- share and follow research
- SlideShare.net- share presentations
- Prezi
- https://www.youtube.com/watch?v=e5aRMpH80Ms
Access to Content & Ideas

• MOOCs
• Websites
• Ted Talks
• Online Journals
• E-books
FIXING THE COPIER

EMPLOYING THE WORLD OF HIGHER EDUCATION

9 | MARRYING INTO MOOC
A CIO at a major university shares his story of getting into the MOOC business.

12 | FIGHTING PLAGIARISM TECHNOLOGY
While technology has made cheating easier, can it also provide a solution?

18 | WELCOMING BYOD ON CAMPUS
How to provide multiplatform support for BYOD devices on campus while managing expectations.

21 | KEEPING AN EYE ON CLEVER TROWELS
Even high-tech online testing solutions can't replace the old standby: human proctors.

26 | DEVICES TO SPUR INTERACTION IN THE CLASSROOM
Clickers and interactive displays provide a simple way to forge more collaborative learning.

31 | TOP I.T. SECURITY WOES IN HIGHER EDUCATION
We examine the four biggest data-security issues in higher ed—and how IT can fight back.

DEPARTMENTS

2 | LOGIN What Readers Want

3 | IN BOX Finding Middle Ground

5 | C-LEVEL VIEW Immersive Learning

6 | CAMPUS & INDUSTRY

27 | PRODUCT ROUNDUP

CAMPUS TECHNOLOGY
Technology & Professional Development

- Decide what you value about professional development.
- Ask yourself - “What on-line tools can help me in my professional development”
- Explore Technology as a competency: “What do I need to learn more about? How will I do that?”
Have fun! Surf the Internet and LEARN!
Putting your Skills and Competencies on a Resume
Technology on Your Student Affairs Resume

• List the Most Current Version of the Software you are using
• List this section Right below your Experience Section
• If it’s listed on your resume, make sure you can have an intelligent conversation about it in an interview
• Here’s an example of not just the “What” you know, but “How” you’ve used it:

<table>
<thead>
<tr>
<th>TECHNOLOGY SKILLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Systems:</td>
</tr>
<tr>
<td>Mobile Computing:</td>
</tr>
<tr>
<td>Web Page Construction:</td>
</tr>
<tr>
<td>Graphic Design and Layout:</td>
</tr>
<tr>
<td>Cloud Storage/Note Taking:</td>
</tr>
<tr>
<td>Blogging Platforms/Themes:</td>
</tr>
<tr>
<td>Learning Management Systems:</td>
</tr>
<tr>
<td>Databases and Systems:</td>
</tr>
<tr>
<td>Multi-Media Presentations:</td>
</tr>
<tr>
<td>E-Mail Management:</td>
</tr>
<tr>
<td>Word Processing and Spreadsheets:</td>
</tr>
<tr>
<td>Event Management Software:</td>
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<tr>
<td>Financial Management:</td>
</tr>
<tr>
<td>Video Production/Hosting:</td>
</tr>
<tr>
<td>Facebook Fan Pages Created:</td>
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<tr>
<td>Twitter Pages Created:</td>
</tr>
<tr>
<td>Professional Blog:</td>
</tr>
<tr>
<td>Microsoft Windows 7, MAC OS X Lion</td>
</tr>
<tr>
<td>Apple iOS 5 for iPad 2, Android 2.3 (Gingerbread)</td>
</tr>
<tr>
<td>Adobe Dreamweaver CS5, Microsoft FrontPage 2003</td>
</tr>
<tr>
<td>Adobe: InDesign CS5, Photoshop CS5, Illustrator CS5</td>
</tr>
<tr>
<td>Dropbox 1.2 / Evernote 3.5</td>
</tr>
<tr>
<td>WordPress 3.3.1 / Thesis Theme 1.7</td>
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<tr>
<td>Blackboard 9.1, Moodle 2.0.1</td>
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<tr>
<td>FileMaker Pro 11 Advanced; FileMaker Pro Server 10.0</td>
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<tr>
<td>Prezi 3.0.3, Slide Rocket 1.4.1, Keynote 5.1.1, PowerPoint 2010</td>
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<td>Microsoft Outlook 2010, Gmail 2.3.5.2</td>
</tr>
<tr>
<td>Word 2010, Google Docs / Excel 2010, Google Spreadsheets</td>
</tr>
<tr>
<td>Resource 25</td>
</tr>
<tr>
<td>Banner 8, Mint</td>
</tr>
<tr>
<td>Final Cut Pro X, Windows Movie Maker 7 / YouTube, Vimeo</td>
</tr>
<tr>
<td>/BSUCampuscenter; /ACUIRegion1; /LTEConsulting</td>
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<tr>
<td>/BSUCampusCenter; /ACUIRegion1; /LTEConsulting</td>
</tr>
<tr>
<td><a href="http://edcabellon.com">http://edcabellon.com</a></td>
</tr>
</tbody>
</table>

Adapted from a blog post at http://edcabellon.com/tech/resume/#comments
SA Technology Committee

• How can we help?

• What technologies would you be interested in receiving training on? Identify 2-3 specific technologies.