



# Social Interaction around Electronic Resources: Making eReserves Social

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# We will discuss . . . .

- What we mean by “making electronic resources social”
- Project rationale (context & problems)
- Dreams of something better
- Pilot projects and findings
- Current status



# Making Electronic Resources “Social”

- Enable virtual “conversation around a text [electronic resource]”
- Encourage deeper student understanding of documents
- More quickly consolidate student questions
- Efficient sharing one-to-many (and many to one)
- Promote deeper conversations between students, and between students and instructors



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# eRESERVES

Login

Username

Password

\*\*\*\*\*

\*\*\*\*\*

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<http://creativecommons.org/licenses/by-sa/3.0/deed.en>

# Current Status of Course Reserves

- Usage of course reserves is way down
- Many institutions have moved reserves to LMS
- Potential copyright issues?
- Library cut out of process
- Library loss of usage metrics

## Online Course Reserves

Online Course Reserves through Ekstrom Library have been discontinued. If your course has Online Course Reserves they will be available through the BlackBoard page for the class.

[http://louisville.edu/library/services/reserves\\_searching.html](http://louisville.edu/library/services/reserves_searching.html)

Previous e-reserves services were discontinued in 2009. Using Blackboard to provide access to e-reserve readings will better protect the rights of copyright owners and limit any liability on the part of the University.

<https://lib.ku.edu/electronic-reserves>

## DISCONTINUATION OF E-RESERVES

As of December 14<sup>th</sup>, 2012, the Rebecca Crown Library has discontinued E-Reserve Service

The Rebecca Crown Library will continue to place print books and media, including copies provided by instructors, on Course Reserve. For more information about our Course Reserves service please see our website at <http://www.beta.dom.edu/library/services/reserves>. Scanners are available throughout campus, allowing faculty the ability to create PDFs for posting in learning management systems. Faculty can also create links directly to Rebecca Crown Library licensed electronic content, such as articles and e-books, from Blackboard and MyDU.

[http://beta.dom.edu/library/help/discontinuation\\_of\\_e-reserves](http://beta.dom.edu/library/help/discontinuation_of_e-reserves)



# Why?

- VT Faculty using other methods of transmission
  - Learning Management System
  - Possibly using other types (non-library) materials
  - Linking directly to library-subscribed resources



# Why (and why do we care)?





# Why (and why do we care)?

- Opportunity serve students
  - High quality, vetted materials
  - New opportunities to leverage technology for learning
- Opportunity to work with Faculty
  - Encourage good practice re: Copyright
  - Inform regarding new ways of teaching & learning
  - Utilize “Reserves” exemption afforded by Copyright law
- Desire to put the library back into the learning process.

# How incoming students communicate

- Snapchat
- Text Messaging
- Twitter
- ~~Facebook~~
- ~~Email~~



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© Gabrielchihonglee, CC BY NC  
[http://commons.wikimedia.org/wiki/File:Twitter\\_circle.png](http://commons.wikimedia.org/wiki/File:Twitter_circle.png)



© Boonzeet CC BY NC  
<http://boonzeet.deviantart.com/art/Snapchat-iOS-7-App-icon-377666576>



# New options for instructors/student communication


- Instant Messaging
- Online Office Hours
- Discussion forums and blogging
- Conversations around digital resources

# Following up on a Pilot project

Re: Internet2 and EDUCAUSE Partner To Deliver eText Pilot at Colleges and Universities Nationwide, Fall 2012

EDUCAUSE and Internet2 are implementing a new series of pilot efforts to evaluate technologies and business models in the fast evolving migration from traditional textbooks to electronic content. For the fall 2012 term, the pilot is being conducted in partnership with McGraw-Hill Education and Courseload, through which more than 25 colleges and universities will provide etexts to their students.

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**McGraw Hill Education**

Divisions: **PreK-12**

[EDUCATORS](#) [STUDENTS](#) [ADMINISTRATORS](#) [PARENTS](#)

### Multimedia Authoring

We have fourteen stations dedicated to multimedia authoring, featuring the Adobe Creative Suite and various scanners, tablets, and more.

### Operating Hours

Spring 2014  
Monday-Wednesday

### Equipment

The InnovationSpace is a multimedia computer lab open to the students, faculty, and staff of Virginia Tech, as well as the local general public, with

Still Car  
Total: 21

## McGraw-Hill Education Partners with EDUCAUSE to Expand Exclusive E-Book Pilot Program with Internet2 and Courseload to 25 Universities

September 5, 2012 | By Brian Belardi

# Dreams of something better



© Luca Lorenzi, CC BY SA

# Dreams of something better (aka: “Our Vision”)

- Relevant to how students communicate now
- Social learning aspect
- Local course management
- Easy/automated document uploading/removal
- Stable URLs
- Integration with institution systems
- Search-enabled eText
- 508 Compliant
- Printable and retainable texts
- Mac / PC compatible





# Software 'Must have' features

- Ability to comment on shared documents
- Intuitive to users
- Easily accessible to users
- Ease of administration

# Software 'Nice to have' features

- Ebook compatible
- Mac / PC compatible
- Images (jpg, gifs etc.)
- Inexpensive

# Social Software Reviewed

- Hylighter
  - Courseload
  - Google Drive
  - Piazza
- 
- Vtext – Using Microsoft OneNote

# Hylighter Home Page

List and Filter

Select : ☒ List All Available Documents ☐ List All Collections ☐ List All Mashups ☐ Display/Manage Archived Documents ☐ Display/Manage Hidden Documents

**Live Filter Criteria** Define criteria to filter the 'All Available Document' list and resulting data for reports or live mashups. Mashup data defined using live criteria alone will be filtered and updated according to the settings at the time of mashup creation. [Reset](#) to start over.

Username :  Document Owner :  Collections :  Comment Date :

Tag :  Triples :  Fragment :  Comment :

Go Clear Criteria Show Add

<input type="checkbox"/>	Title	Owner Name	<input type="checkbox"/>	Member	Visible Comm...	Source	<input type="checkbox"/>	Access Type	View Only	Created
<input type="checkbox"/>	<a href="#">A New Metric for Quantifying the Suffici...</a>	Lebow, David	<input type="checkbox"/>			0 DOCX	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-03-02 1...
<input type="checkbox"/>	<a href="#">HyLighter SLE</a>	Lebow, David	<input type="checkbox"/>			0 DOCX	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-03-02 1...
<input type="checkbox"/>	<a href="#">sfsfsc</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">sdfsdf</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">sdfsdf</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">sdfsdf</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">Wolters Kluwer: Conversation with Greg M...</a>	Lebow, David	<input type="checkbox"/>			29 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-26 1...
<input type="checkbox"/>	<a href="#">nonPDF testing</a>	Sullivan, Mary	<input checked="" type="checkbox"/>			4 DOC	<input type="checkbox"/>	PRIVATE	<input type="checkbox"/>	2014-02-20 1...

# Hylighter Pro's and Con's

## Pro's

- Collaboration/comments
- Sharing documents
- Searching for documents filter
- Can collaborate on jpg's
- Good for future work on Thesis/Dissertations
- Company is easy to work with
- Has a walk through 'how to'

## Con's

- Problems with Word document uploads
- Not an intuitive organizational structure
- PDF's must use OCR scanned documents
- Unsure of ebook collaboration abilities (Epubs will work)
- Not easy to manage (users and admins)

# Hylighter Home Page

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Username :  Document Owner :  Collections :  Comment Date :

Tag :  Triples :  Fragment :  Comment :

Go Clear Criteria Show Add

<input type="checkbox"/>	Title	Owner Name	<input type="checkbox"/>	Member	Visible Comm...	Source	<input type="checkbox"/>	Access Type	View Only	Created
<input type="checkbox"/>	<a href="#">A New Metric for Quantifying the Suffici...</a>	Lebow, David	<input type="checkbox"/>			0 DOCX	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-03-02 1...
<input type="checkbox"/>	<a href="#">HyLighter SLE</a>	Lebow, David	<input type="checkbox"/>			0 DOCX	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-03-02 1...
<input type="checkbox"/>	<a href="#">sfsfsc</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">sdfsdf</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">sdfsdf</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">sdfsdf</a>	Campbell, Julie	<input type="checkbox"/>			0 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-28 1...
<input type="checkbox"/>	<a href="#">Wolters Kluwer: Conversation with Greg M...</a>	Lebow, David	<input type="checkbox"/>			29 NEW	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	2014-02-26 1...
<input type="checkbox"/>	<a href="#">nonPDF testing</a>	Sullivan, Mary	<input checked="" type="checkbox"/>			4 DOC	<input type="checkbox"/>	PRIVATE	<input type="checkbox"/>	2014-02-20 1...



# Hylighter Comment

Welcome Charla Gilbert

View
My Profile
Report Builder
Preferences
Help
Logout
Quick Start

Collapse All
Sort/Filter
PDF testing

Sort By: Sequence
Filter By: New Changes

Huff, Kerri
New
Action

Posted: Mar 2, 2014 at 4:51 PM

This is why I didn't major in the sciences... math.

Tags

Collapse Thread | Total Replies: 1

Gilbert, Charla
Action

Posted: Mar 3, 2014 at 12:20 PM

I'm satisfied I can apply algebra :)

Tags

Huff, Kerri
New
Action

Posted: Mar 2, 2014 at 4:53 PM

So it took a couple tries to comment. Apparently I can't have your highlighted or it will reject my attempts. Not that friendly...

Tags

Nutrient	Amount in solution (μmol/L)
NO <sub>3</sub> <sup>-</sup>	100–50,000
NH <sub>4</sub> <sup>+</sup>	100–2,000
H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> and HPO <sub>4</sub> <sup>2-</sup>	1–50
K <sup>+</sup>	100–4,000
Ca <sup>2+</sup>	100–5,000
Mg <sup>2+</sup>	100–5,000
SO <sub>4</sub> <sup>2-</sup>	100–10,000

Source: Barber (1974a) (updated).

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NUTRIENT UPTAKE BY PLANT ROOTS GROWING IN SOIL

zone of lower concentration until concentration has been equalized. Because roots absorb nutrients, equilibrium does not occur, and nutrients continue to diffuse to the root along the concentration gradient. The distance the concentration gradient extends from the root depends on the rate of diffusion. The distance for diffusive-nutrient movement through the soil to the root is usually in the range of 0.1 to 15 mm. Hence, only soil nutrients within this soil zone contribute to diffusive nutrient supply to the root.

**Diffusion Coefficient**

The rate of diffusion is expressed by the diffusion coefficient, measured in cm<sup>2</sup>/s. Fick's first law of diffusion, Equation 4.1, describes the steady state diffusive flux  $J$  in μmol:

$$J = -DA \frac{dC}{dx} \quad (4.1)$$

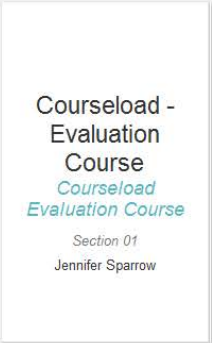
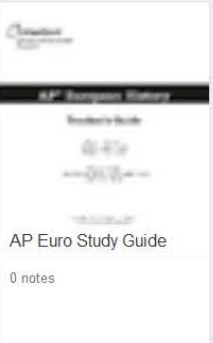

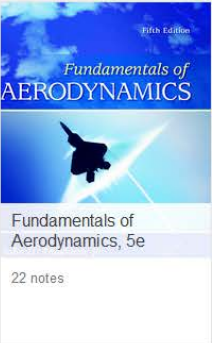
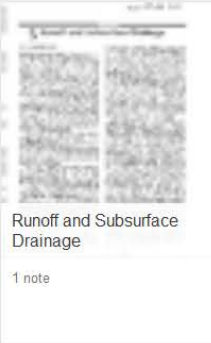
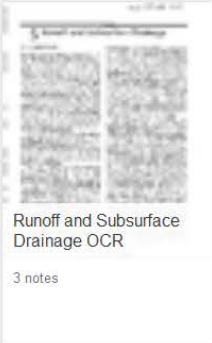
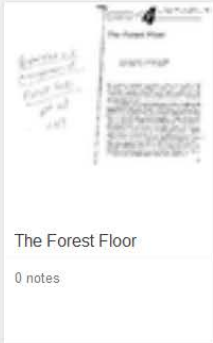

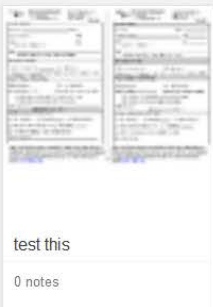
where  $D$  is the diffusion coefficient,  $A$  is the area for diffusion, and  $dC/dx$  is the concentration gradient in μmol/cm<sup>3</sup> · cm. Equation 4.1 applies to steady state diffusion; the minus sign indicates that movement is from higher to lower concentration. This equation is used primarily to calculate  $D$  since  $J$  and  $dC/dx$  can be measured experimentally.

Fick's second law, Equation 4.2, applies to transient-state diffusion. It is more applicable to plant roots.

# Courseload Home Page

Engage Search

Fall 2012 ▾

 <p>Courseload - Evaluation Course <i>Courseload Evaluation Course</i> Section 01 Jennifer Sparrow</p>	 <p>AP Euro Study Guide 0 notes</p>	 <p>Datalink reference_Test 1 note</p>	 <p>Fundamentals of Aerodynamics, 5e 22 notes</p>	 <p>Runoff and Subsurface Drainage 1 note</p>	 <p>Runoff and Subsurface Drainage OCR 3 notes</p>	 <p>The Forest Floor 0 notes</p>
 <p>The Forest Floor - OCR 1 note</p>	 <p>test this 0 notes</p>					

# Courseload Pro's and Con's

## Pro's

- Collaboration/comments
- Has e-book comment/collaboration abilities

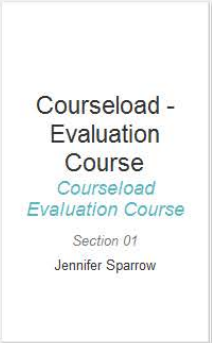
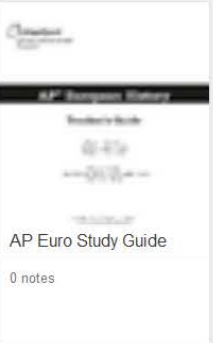

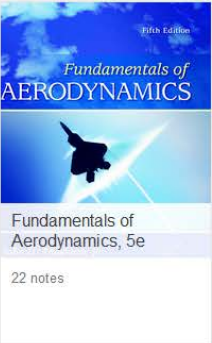
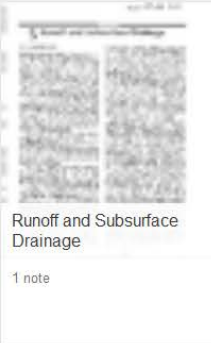
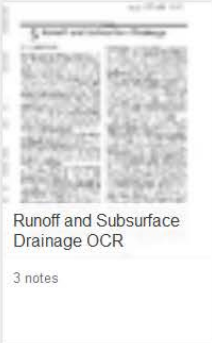
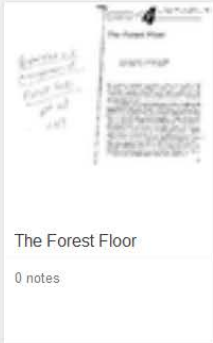

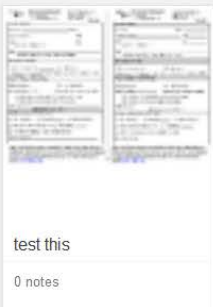
## Con's

- Could use improvement in organizational structure
- Sharing of documents was for instructor use only
- PDF's must use OCR scanned documents
- Did not have management capabilities

# Courseload Home Page

Engage Search

Fall 2012 ▾

 <p>Courseload - Evaluation Course <i>Courseload Evaluation Course</i> Section 01 Jennifer Sparrow</p>	 <p>AP Euro Study Guide 0 notes</p>	 <p>Datalink reference_Test 1 note</p>	 <p>Fundamentals of Aerodynamics, 5e 22 notes</p>	 <p>Runoff and Subsurface Drainage 1 note</p>	 <p>Runoff and Subsurface Drainage OCR 3 notes</p>	 <p>The Forest Floor 0 notes</p>
 <p>The Forest Floor - OCR 1 note</p>	 <p>test this 0 notes</p>					

# Courseload Comment

Search



## *The Forest Floor*

NOTICE: THIS MATERIAL MAY BE PROTECTED  
BY COPYRIGHT LAW (TITLE 17 U.S. CODE)

The forest floor is undoubtedly the most dynamic phase of a forest soil. The term **forest floor** is generally used to describe the decomposing organic layers and their characteristic layers and their characteristic forest environment and the agricultural (cultivated) soils.

The forest floor is the zone in which vast quantities of plant and animal remains disintegrate above the surface of the mineral soil (Figure 4.1). Some of this material gradually becomes mixed into the mineral soil and, together with the subterranean

e of a forest soil. The term matter, including litter and rface. These organic matter most dynamic phase of the guishing forest soils from

Hi Professor..question on this...

Tags (comma separated)

☒ Post as a question?

Delete

Save





# Google Pro's and Con's


## Pro's

- Collaboration/comments
- Sharing documents
- Students are already familiar with the product
- Easy to administer
- FREE

## Con's


- Must know to choose 'open in Google Docs' in order to comment
- Problems with Word document uploads (with pictures and formatting)
- No easily intuitive organizational structure
- Unsure of ebook collaboration abilities
- PDF's must use OCR scanned documents

# Google Drive Home

Invent the Future




+Charla

Share



Drive

Take our survey!



CREATE

My Drive


Shared with Me












Starred

Recent

Trash

More

 Install Drive for your computer

<input type="checkbox"/>	TITLE	SHARE DATE
<input type="checkbox"/>	☆ W LFA Constitution and Bylaws_rev_2014.docx	 Leslie O'Brien Mar 2
<input type="checkbox"/>	☆ PDFtesting	 Mary Sullivan Feb 23
<input type="checkbox"/>	☆ W nonPDFtesting	 Mary Sullivan Feb 23
<input type="checkbox"/>	☆ RUSA STARS Survey Tracking	 Bethany Sewell Feb 21
<input type="checkbox"/>	☆ Assessment Working Group	 Monena Hall Jan 16
<input type="checkbox"/>	☆ W Library Audio Tour Script version 6 UPADTED 8_2013.docx	 Therese Walters Jan 13
<input type="checkbox"/>	☆ X Did you know - list of library services & resources to market via Scholar Welcome Page.xlsx	 Anita Walz Jan 10
<input type="checkbox"/>	☆ 2013-14 Golden Clipboard	 Ladd Brown 12/9/13
<input type="checkbox"/>	☆ Copy for Charla of Orientation Planning - Tour Brainstorm	 Therese Walters 12/4/13
<input type="checkbox"/>	☆ DM Assessment	 Andi Ogier 11/25/13
<input type="checkbox"/>	☆ Weave Goal 2014	 Andi Ogier 11/22/13

# Google Comment

[illegible]

# Piazza Course Page Home

The screenshot shows a web browser window with the Piazza course page. The browser's address bar shows the URL <https://piazza.com/vt/summer2014/nl1000/home>. The page header includes the Piazza logo, a dropdown menu for "NL 1000", and tabs for "Q & A", "Course Page", and "Manage Class". The main content area features the course title "NL 1000: Newman Library Reserves" and a "Syllabus" button with a download icon. Below this, there are tabs for "Course Information", "Staff", "Resources", and "Groups". The "Description" section contains the text "Testing classes in this format." and an "Edit" button. The "General Information" section contains the text "Not sure how this works yet." and an "Edit" button. The "Announcements" section has an "Add" button and a yellow box with the text "Add an Announcement" and "Click the Add button to add an announcement." The footer of the page states "Copyright © 2013 Piazza Technologies, Inc. All Rights Reserved."

NL 1000 | Class Profile | Piazza - Mozilla Firefox

File Edit View History Bookmarks Tools Help

VTEXT: An Electronic Textbook Frame... x NL 1000 | Class Profile | Piazza x NL 1000 | Class Profile | Piazza x +

https://piazza.com/vt/summer2014/nl1000/home

piazza NL 1000 Q & A Course Page Manage Class

Virginia Tech - Summer 2014

## NL 1000: Newman Library Reserves

Syllabus

Course Information Staff Resources Groups

### Description

Testing classes in this format.

### General Information

Not sure how this works yet.

### Announcements

Add

Add an Announcement  
Click the Add button to add an announcement.

Copyright © 2013 Piazza Technologies, Inc. All Rights Reserved.

# Piazza Pro's and Con's

## Pro's

- Easily intuitive organizational structure
- No difficulty in uploading documents
- Some places on campus are already using this
- Easy to administer

## Con's

- Collaboration/comments were outside the document
- Unsure of ebook collaboration abilities

# Piazza Course Page Home

The screenshot shows a web browser window with the Piazza course page. The browser's address bar shows the URL <https://piazza.com/vt/summer2014/nl1000/home>. The page header includes the Piazza logo, a dropdown menu for 'NL 1000', and tabs for 'Q & A', 'Course Page', and 'Manage Class'. The main content area features the course title 'NL 1000: Newman Library Reserves' and a 'Syllabus' button. Below this, there are tabs for 'Course Information', 'Staff', 'Resources', and 'Groups'. The 'Description' section contains the text 'Testing classes in this format.' and an 'Edit' button. The 'General Information' section contains the text 'Not sure how this works yet.' and an 'Edit' button. The 'Announcements' section has an 'Add' button and a yellow box with the text 'Add an Announcement' and 'Click the Add button to add an announcement.' The footer of the page states 'Copyright © 2013 Piazza Technologies, Inc. All Rights Reserved.'

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VTEXT: An Electronic Textbook Frame... x NL 1000 | Class Profile | Piazza x NL 1000 | Class Profile | Piazza x +

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Virginia Tech - Summer 2014

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### Announcements

Add

Add an Announcement  
Click the Add button to add an announcement.

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# Piazza Comment

NL 1000 (4 unread) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

VTEXT: An Electronic Textbook Frame... x NL 1000 | Class Profile | Piazza x NL 1000 | Class Profile | Piazza x NL 1000 (4 unread) x +

https://piazza.com/class/hslrg42dhtjn

piazza NL 1000 Q & A Course Page Manage Class

polls hw1 hw2 hw3 hw4

Unread Updated Unresolved Following

New Post Search or add a post...

DRAFTS

articleocrtest.pdf has been added to class ...

articleocrtest.pdf has been added to class ...

PINNED

Private Search for Teammates! 1

WEEK 3/9 - 3/15

Instr Greetings! 1

Private Introduce Piazza to your stud... 1

Private Get familiar with Piazza 1

Private Tips & Tricks for a successf... 1

Welcome to Piazza!

Post Type

☐ Question  
if you need an answer

☒ Note  
if you don't need an answer

☐ Poll/In-Class Response  
if you need a vote

Post to

☒ Entire Class ☐ Class Group ☐ Individual Student(s) / Instructor(s)

Select Folder(s)

hw1 hw2 hw3 hw4 hw5 hw6 hw7 hw8 hw9 hw10 project exam logistics other

Your class is currently set to use default folders. Edit these folders via Manage Class page.

Summary  
(100 characters or less)

articleocrtest.pdf has been added to class homepage under Resources

Details  
[use plain text editor](#)

Edit Insert View Format Table

**B** *I* [List Icons] [Link Icon] [Image Icon] [Code Icon] **f** code tt [Eye Icon] Help

The teaching staff has posted a new lecture notes resource.

Title: articleocrtest.pdf

You can view it on the course page: <https://piazza.com/vt/summer2014/nl1000/resources>

Posting Options

☐ Make this an announcement (note appears on the course page)

☐ Send email notifications immediately (bypassing students' email preferences, if necessary)

Post My Note! Save Draft Cancel

# Pilot Project

Google E-reserves History course pilot

- Embedding questions into the text
- Mandating comments on the documents
- Monitoring participant activities

For more information, contact Mary Sullivan  
[marysull@vt.edu](mailto:marysull@vt.edu)



# More Information

- Hylighter - <http://www.hylighter.com/hybar/site/index.html>
- Courseload- <http://www.courseload.com/e-textbook-and-digital-course-materials-solution>
- Google Drive - <http://www.google.com/drive/>
- Piazza - <https://piazza.com/>
- <https://net.educause.edu/ir/library/pdf/ELIB1302.pdf>

# Questions and Thanks!

Anita Walz, Open Education and Online Learning  
Environments Librarian, [arwalz@vt.edu](mailto:arwalz@vt.edu)

Charla Gilbert, Director of Assessment and  
Library Access Services, [charla70@vt.edu](mailto:charla70@vt.edu)