COM 587: Internet & Society

In Workflow
1. 16COM Grad Head (arbinder@ncsu.edu)
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3. CHASS CC Coordinator GR (wemory@ncsu.edu; despain@ncsu.edu)
4. CHASS CC Meeting GR (wemory@ncsu.edu; despain@ncsu.edu)
5. CHASS CC Chair GR (despain@ncsu.edu)
6. CHASS Final Review GR (wemory@ncsu.edu)
7. CHASS Dean GR (dpdannel@ncsu.edu)
8. aasilva (souzaesilva@ncsu.edu)
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10. ABGS Coordinator (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
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13. Grad Final Review (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
14. PeopleSoft (ldmihalo@ncsu.edu; blpearso@ncsu.edu; Charles_Cliff@ncsu.edu; jmharr19@ncsu.edu; Tracey_Ennis@ncsu.edu)

Approval Path
1. Thu, 13 Aug 2015 20:19:42 GMT
   Melissa Nosbisch (mlnosbis): Approved for 16COM Grad Head
   Andrew Binder (arbinder): Approved for arbinder
3. Fri, 06 Nov 2015 11:38:43 GMT
   Jeffrey Despain (despain): Approved for CHASS CC Coordinator GR
   Jeffrey Despain (despain): Approved for CHASS CC Meeting GR
   Jeffrey Despain (despain): Approved for CHASS CC Chair GR
6. Thu, 21 Jan 2016 21:16:45 GMT
   William Emory (wemory): Approved for CHASS Final Review GR
7. Tue, 16 Feb 2016 18:00:38 GMT
   Deanna Dannels (dpdannel): Approved for CHASS Dean GR
8. Thu, 18 Feb 2016 18:41:46 GMT
   Adriana de Souza e Silva (souzaesilva): Approved for aasilva
9. Wed, 24 Feb 2016 16:03:08 GMT
   Adriana de Souza e Silva (souzaesilva): Approved for aasilva
    Melissa Nosbisch (mlnosbis): Approved for ABGS Coordinator
    Melissa Nosbisch (mlnosbis): Approved for ABGS Meeting

New Course Proposal

Date Submitted: Sun, 31 May 2015 20:05:52 GMT

Viewing: COM 587 : Internet & Society

Changes proposed by: aasilva

Course Prefix

COM (Communication)

Course Number
Dual-Level Course
No

Cross-listed Course
No

Title
Internet & Society

Abbreviated Title
Internet & Society

College
College of Humanities and Social Sciences

Academic Org Code
Communication (16COM)

CIP Discipline Specialty Number
09.0101

CIP Discipline Specialty Title
Speech Communication and Rhetoric.

Term Offering
Fall Only

Year Offering
Offered Upon Demand

Effective Date
Fall 2016

Previously taught as Special Topics?
Yes

Number of Offerings within the past 5 years
2

<table>
<thead>
<tr>
<th>Course Prefix/Number</th>
<th>Semester/Term Offered</th>
<th>Enrollment</th>
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<tbody>
<tr>
<td>COM598</td>
<td>Fall 2014 and Fall 2015</td>
<td>6 / 11</td>
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Course Delivery
Face-to-Face (On Campus)

Grading Method
Graded/Audit

Credit Hours
3
Course Length

16 weeks

Contact Hours

(Per Week)

Component Type | Contact Hours
---|---
Seminar | 3

Course Is Repeatable for Credit

No

Instructor Name

Adriana A. de Souza e Silva

Instructor Title

Associate Professor

Grad Faculty Status

Full

Anticipated On-Campus Enrollment

Open when course_delivery = campus OR course_delivery = blended OR course_delivery = flip

<table>
<thead>
<tr>
<th>Enrollment Component</th>
<th>Per Semester</th>
<th>Per Section</th>
<th>Multiple Sections?</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Seminar</td>
<td>12</td>
<td>12</td>
<td>No</td>
<td>N/A</td>
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Course Prerequisites, Corequisites, and Restrictive Statement

N/A

Is the course required or an elective for a Curriculum?

Yes

Which Curricula are Affected?

<table>
<thead>
<tr>
<th>SIS Program Code</th>
<th>Program Title</th>
<th>Required or Elective?</th>
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<tbody>
<tr>
<td>16COMMS</td>
<td>Master of Science Communication, Thesis Optional</td>
<td>Elective</td>
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Catalog Description

Overview of the development of the internet and its social uses, including the historical context that led to the development of the ARPANET and the World Wide Web. Analysis of the transition from mainframes to personal computers, to the internet of things. Treatment of principal social and communication issues related to the use of the internet, such as digital privacy, digital divide, net neutrality, and civic engagement. Development of mobile internet, social networking sites and location-based social networks.

Justification for new course:

The internet is all around us. Using mobile phones and location-aware technologies, people are browsing information wherever they happen to be. As a result, physical location has become an important factor in how information is categorized and accessed. From online maps to location-based social networks and games, location awareness is becoming central to how we understand the internet today. However, digital information was categorized and accessed differently in the past.

This course explores social uses of the internet, focusing on its historical development as a digital network. In addition to looking at the history of the internet, from the ARPANET to the mobile web, it also explores an emerging form of networked interactions called net locality. Net locality is what happens to individuals and society when virtually everything is located or locatable. This course will run as a seminar and explores the following key topics:
An overview of the development of the internet:

• Conceptual origins of the internet, such as Vannevar Bush's Memex and hypertext theory.
• Facts that led to the development of the ARPANET and the World Wide Web, such as the transition from mainframes to personal computers
• The development of HTML as the web's main original programming language and how the internet's functionality was originally based on communication protocols that aimed at sharing resources.

Social uses of the internet:

• Usenet, BBS and MUDs as the origins of blogs, wikis, and social networking sites.
• The development of what was called web 2.0, and co-related issues such as regulation, privacy and digital divide. online.

Location and Net locality:

• The affordances of digital networks embedded with mobility and location awareness.
• Location-based services and location-based social networks.

Does this course have a fee?

No

Consultation

<table>
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<tr>
<th>College(s)</th>
<th>Contact Name</th>
<th>Statement Summary</th>
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<tbody>
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<td>College of Engineering</td>
<td>George Rouskas</td>
<td>Begin forwarded message:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>From: George Rouskas <a href="mailto:rouskaa@ncsu.edu">rouskaa@ncsu.edu</a></td>
</tr>
<tr>
<td></td>
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<td>Subject: Re: COM587 approval</td>
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<tr>
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<td>Date: February 22, 2016 at 8:57:12 PM EST</td>
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<td>To: Douglas Reeves <a href="mailto:reeves@ncsu.edu">reeves@ncsu.edu</a></td>
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<td>Cc: Adriana de Souza e Silva <a href="mailto:aasilva@ncsu.edu">aasilva@ncsu.edu</a>, George Rouskas</td>
</tr>
<tr>
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<td><a href="mailto:rouskaa@ncsu.edu">rouskaa@ncsu.edu</a></td>
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<tr>
<td></td>
<td>Adriana,</td>
<td>The CSC and ECE networking faculty agree that there is no overlap between this course and the courses offered in our departments.</td>
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<tr>
<td></td>
<td>Best regards,</td>
<td>George</td>
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<tr>
<td></td>
<td>George Rouskas, IEEE Fellow</td>
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<td></td>
<td>Professor and Director of Graduate Programs</td>
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<td>NC State Computer Science</td>
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<td><a href="http://rouskaa.csc.ncsu.edu">http://rouskaa.csc.ncsu.edu</a></td>
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</table>
Instructional Resources Statement

This course will continue to be taught as part of the instructor’s regular course load. No special resources are required to teach this course.

Student Objectives/Goals

Student Learning Outcomes

Upon successful completion of this course students will be able to:

• Critically reflect upon the state of the internet in today’s society;

• Describe and analyze the main historical developments of the internet as a digital network;

• Identify basic functionalities of the internet as a digital network;

• Explain contemporary issues related to the mobile internet and location-aware technologies;

• Identify issues related to privacy, surveillance, and exclusion that arise from the ubiquitousness of net-localities;

• Critically analyze the social implications of net local practices for the experience of urban spaces.

Student Evaluation Methods

<table>
<thead>
<tr>
<th>Evaluation Method</th>
<th>Weighting/Points for Each</th>
<th>Details</th>
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<tbody>
<tr>
<td>Written Assignment</td>
<td>20</td>
<td>Blog posts, due once per week (see syllabus)</td>
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<tr>
<td>Oral Presentation</td>
<td>20</td>
<td>In-class presentation and leading of class discussion (see syllabus)</td>
</tr>
<tr>
<td>Forum post</td>
<td>15</td>
<td>Wiki entries in the course’s source database, due once per week (see syllabus)</td>
</tr>
<tr>
<td>Major Paper</td>
<td>30</td>
<td>Final paper (see syllabus)</td>
</tr>
<tr>
<td>Oral Presentation</td>
<td>15</td>
<td>Presentation on final paper (see syllabus)</td>
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</table>

Topical Outline/Course Schedule
<table>
<thead>
<tr>
<th><strong>Topic</strong></th>
<th><strong>Time Devoted to Each Topic</strong></th>
<th><strong>Activity</strong></th>
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<tbody>
<tr>
<td>Course introduction</td>
<td>Week 1</td>
<td>Choose presentations</td>
</tr>
<tr>
<td>Before the Internet</td>
<td>Week 2</td>
<td>Assignments: Blog 1 / Wiki 1</td>
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<tr>
<td></td>
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<td>In class activities: Presentation 1</td>
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<tr>
<td></td>
<td></td>
<td>Alan Kay's lecture with Engelbart's demo. Memex's demo.</td>
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<tr>
<td></td>
<td></td>
<td>Readings:</td>
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<td>Bush, V. (1945). &quot;As we may think&quot; (pp. 101-108).</td>
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<td>Hafner &amp; Lyon (1996). &quot;The fastest million dollars&quot; (pp. 11-42).</td>
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<td>Hafner &amp; Lyon (1996). &quot;A block here, some stones there&quot; (pp. 42-81).</td>
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<td>Hafner &amp; Lyon (1996). &quot;The third university&quot; (pp. 82-102).</td>
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<td>ARPANET (1970s)</td>
<td>Week 3</td>
<td>Assignments: Blog 2 / Wiki 2</td>
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<td>In class activities: Presentation 2</td>
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<td>Video: Warriors of the Net</td>
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<td>Readings:</td>
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<td>Abbate, J. (1999). &quot;From ARPANET to Internet&quot; (pp. 113-145).</td>
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<td>Leiner et. al. (2009). &quot;A brief history of the Internet&quot; (pp. 22-31).</td>
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<td>GUI (1980s)</td>
<td>Week 4</td>
<td>Assignments: Blog 3 / Wiki 3</td>
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<td>In class activities: Presentation 3</td>
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<td>Pirates of the Silicon Valley</td>
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<td>XEROX Parc movie</td>
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<td>Apple commercial</td>
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<td></td>
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<td>Readings:</td>
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<td>Streeter, T. (2011). &quot;Missing the net&quot; (pp. 69-92)</td>
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<td>Hafner &amp; Lyon (1996). &quot;A rocket on our hands&quot; (pp. 219-256).</td>
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</table>
WWW (1990s)  Week 5
Assignments:
Blog 4 / Wiki 4

In class activities:
Presentation 4
TED talks: Tim Berners_lee
XEROX Parc movie
Apple commercial

Readings:
Abbate, J. (1999). "Popularizing the Internet" (pp. 195-220).

Web 2.0 (2000s)  Week 6
Assignments:
Blog 5 / Wiki 5

In class activities:
Presentation 5

Readings:
Allen, M. (2012). "What was Web 2.0? Versions as the dominant mode of internet history (pp. 260-275).
Blank, G., & Reisdorf, B. (2012). "The participatory web: A user perspective on Web 2.0" (pp. 537-554).
Synchronous Communication

Week 7

Assignments:
Blog 6 / Wiki 6

In class activities:
Presentation 6
Practical activity: LambdaMOO and Adventure

Readings:
Turkle, S. (1995). "Aspects of the self" (pp. 177-209)
Merikivi, J., Vernhagen, T., & Feldberg, F. (2012). "Having belief(s) in social virtual worlds: A decomposed approach" (pp. 1169-1188).

Asynchronous Communication

Week 8

Assignments:
Blog 7 / Wiki 7

In class activities:
Presentation 7
Demo Wikipedia
TED Talk on Wikipedia

Readings:
Barlow, A. (2007). "The growth of the discussion boards and the birth of the blogs" (pp. 143-152).

SNS/LBSN

Week 9

Assignments:
Blog 8 / Wiki 8

In class activities:
Presentation 8

Readings:
Steinfield, C., Ellison, N., & Vitak, J. (2013). "Online social network sites and the concept of social capital" (pp. 115-131).
Humphreys, L. (2010). "Mobile social networks and urban public space" (pp. 763-778).
Net Locality / Mobile Internet  Week 10

Assignments:
Blog 9 / Wiki 9

In class activities:
Presentation 9

Readings:
De Souza e Silva & Gordon, E. (2013). ”Net Locality” (pp. 134-142).
Goggin, G. (2014). “Shared, Life is More”. (pp. 1-30)

Digital Privacy  Week 11

Assignments:
Blog 10 / Wiki 10

In class activities:
Presentation 10

Readings:

Digital Divide  Week 12

Assignments:
Blog 11 / Wiki 11

In class activities:
Presentation 11

Readings:
Pearce, K., & Rice, R. (2013). “Digital divides from access to activities: Comparing mobile and personal computer Internet users” (pp. 721-744).
Civic Engagement

Week 13

Assignments:
Blog 12 / Wiki 12

In class activities:
Presentation 12

Readings:
Gordon, E., & de Souza e Silva, A.
“Community” (pp. 105-132).

Hirst, M. (2012). “One tweet does not a revolution make: Technological determinism, media and social change” (pp. 1-11).

Final presentations
Week 14 & 15

Finals
Week 16

Final presentations
Final paper due

Syllabus

2158-06_COM 587_Syllabus.docx

Additional Documentation

Additional Comments

Consult from history with recommended tweaks to catalog description.

minosbis 2/16/2016: Possible consultation with College of Engineering (Doug Reeves) to see if that college offers any courses related to the history of internet and if this course conflicts with any Engineering courses. Department should include consultation notes from History and Engineering in the “Consultation” field.

ghodge 2/17/2016 Agree. Please include both consultations before ABGS review.

ABGS Reviewer Comments:
-No major problems and the consultations seem supportive and appropriate.

Course Reviewer Comments

Key: 7317