CRD 703: Communication Networks

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

Approval Path
1. Fri, 11 Dec 2015 13:19:37 GMT
   Adriana de Souza e Silva (souzaesilva): Approved for 16HSS Grad Head
2. Thu, 14 Jan 2016 14:13:51 GMT
   Jeffrey Despain (despain): Approved for CHASS CC Coordinator GR
3. Thu, 21 Jan 2016 12:03:11 GMT
   Jeffrey Despain (despain): Approved for CHASS CC Meeting GR
4. Thu, 21 Jan 2016 20:57:30 GMT
   Jeffrey Despain (despain): Approved for CHASS CC Chair GR
5. Thu, 21 Jan 2016 21:16:55 GMT
   William Emory (wemory): Approved for CHASS Final Review GR
6. Tue, 16 Feb 2016 18:00:27 GMT
   Deanna Dannels (dpdannel): Approved for CHASS Dean GR
7. Thu, 18 Feb 2016 18:42:00 GMT
   Adriana de Souza e Silva (souzaesilva): Approved for aasilva
   Melissa Johnson (melissa_johnson): Approved for mjohnson
9. Mon, 18 Apr 2016 15:40:35 GMT
   Melissa Nosbisch (mlnosbis): Approved for ABGS Coordinator
    Melissa Nosbisch (mlnosbis): Approved for ABGS Meeting

Date Submitted: Fri, 11 Dec 2015 01:53:18 GMT

Viewing: CRD 703 : Communication Networks
Changes proposed by: aasilva

Change Type
Major

Course Prefix
CRD (Communication Rhetoric & Digital Media)

Course Number
703
Course ID
004067

Cross-listed Course
No

Title
Communication Networks

Abbreviated Title
Communication Networks

College
College of Humanities and Social Sciences

Academic Org Code
CHASS Dean's Office (16HSS)

CIP Discipline Specialty Number
24.0101

CIP Discipline Specialty Title
Liberal Arts and Sciences/Liberal Studies.

Term Offering
Spring Only

Year Offering
Offered Every Year

Effective Date
Spring 2016

Previously taught as Special Topics?
No

Course Delivery
Face-to-Face (On Campus)

Grading Method
Graded/Audit

Credit Hours
3

Course Length
16 weeks

Contact Hours
(Per Week)
### Component Type
Seminar

### Contact Hours
3.0

#### Course Is Repeatable for Credit
No

#### Instructor Name
Melissa Johnson

#### Instructor Title
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>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar</td>
<td>15</td>
<td>15</td>
<td>No</td>
<td>This course is required for CRDM first year students.</td>
</tr>
</tbody>
</table>

#### Course Prerequisites, Corequisites, and Restrictive Statement
CRDM students only.

#### Is the course required or an elective for a Curriculum?
No

#### Catalog Description
Intensive study of theories, histories, and practices of networked communication. Emergence, development, acceptance, and dissolution of a variety of networks organized around information and communication technologies. Survey of network theory and methods for studying networks, networked communication practices, and their effects on issues such as identity, labor, organization, power, etc. Research/applications project developed in consultation with the instructor.

#### Justification for each revision:
This CRDM core course CAF was created before the program started in 2005. Much has changed in the past 10 years, and the changes in this CAF reflect new ways the course has been taught in the past few years, and includes expertise of newly hired CRDM core faculty as well.

The reason for the course title change also comes from the fact that "network society" is a term from the 1990s, very much associated with the work of Manuel Castells. "Communication Networks" is broader and more reflective of the course's current contents, which includes a survey of several theories and methods about communication networks.

#### Does this course have a fee?
No

#### Consultation

#### Instructional Resources Statement
Faculty will be teaching this course as part of their regular course load. No new faculty are required to teach this course. The Departments of Communication and English have many faculty qualified to teach it (Johnson, Swarts, de Souza e Silva, Rieder, Craig, Binder). No special resources needed.

#### Course Objectives/Goals
The rapid development and proliferation of information and communication technologies has contributed to the growth and importance of networks. We can now speak of not only communication networks but also of financial, military, social, cultural, and political networks, to name a few. These networks, the technologies that support them and the data they produce and process have a profound effect on institutions, culture, identity formation, social
organization, and communication practices generally. At least part of the effect is that these network practices take place through the representational interfaces of the technologies with which we surround ourselves. And behind these technologies are important political issues concerning systems of ownership and governance that drive the development, distribution and use of these technologies. The rate at which new information and communication technologies are developed and the degree to which these technologies are integrated into the practices of modern society ensures the need for a constantly evolving set of theories to articulate and understand these effects and an equally strong need for the development of new and use of existing research methods to study these technologically mediated network practices.

Communication Networks is a critical part of the curriculum for the program in Communication, Rhetoric, and Digital Media not only because it seeks to uncover the issues of growing concern in networked society, but also because it will deliver a survey of relevant theories and research methods to study network practices while engaging students in a critical dialogue that can lead to the refinement and development of new theories and methods.

Student Learning Outcomes

By the end of this course, students will be able to...

1. Articulate the role of communication in constructing and maintaining different types of networks, including social, organizational, financial, trade, and military networks;
2. Demonstrate a broad interdisciplinary understanding of theories describing the social and cultural impact of different networks and the data they structure;
3. Identify gaps in our theoretical understanding of networks and address those gaps through careful study of the ways networks are created, used, and transformed to exercise power, reinforce or challenge existing social relations, and develop new social and cultural practices;
4. Understand, evaluate and refine different methods for studying networks, ranging from traditional social science approaches (e.g., experimental, survey, or ethnographic methods) to alternative approaches (e.g., mathematical modeling, mapping, visualization, and activity analysis);
5. Design and carry out a large-scale project of research and/or application.

Student Evaluation Methods

<table>
<thead>
<tr>
<th>Evaluation Method</th>
<th>Weighting/Points for Each</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion</td>
<td>150</td>
<td>See Moodle for separate handouts for discussion leader and research paper assignments</td>
</tr>
<tr>
<td>Participation</td>
<td>200</td>
<td>This is a graduate seminar, thus students are expected to be actively engaged in the class. Answering questions and volunteering ideas are ways of earning class participation credit. Quality as well as quantity is considered. Keeping up with assigned readings is the best way to ensure quality class participation. To prepare for discussion, note the following for each reading: 1) What is the author's thesis or main point(s)? 2) What are some of the key concepts and/or theories in the reading, and how does the author define or describe them? 3) Are definitions in line with other conceptual definitions we have read or discussed? How are they similar or different? 4) What theoretical and/or intellectual traditions inform this reading? 5) What evidence is provided to support the author’s main points? What methodology is used and how does that influence the author’s thesis or main point(s), along with his or her findings and conclusions? Is secondary or primary data used? 6) What are the strengths and weaknesses of this piece? Discussion will be conducted in an atmosphere that respects diversity of ideas. Remember that an alternate viewpoint offered by a class member (or the professor) is not necessarily his or her personal view, but rather a point for discussion.</td>
</tr>
</tbody>
</table>


### Major Paper
550

See Moodle for separate handouts for discussion leader and research paper assignments

### presentation
100

See Moodle for separate handouts for discussion leader and research paper assignments

---

#### Topical Outline/Course Schedule

<table>
<thead>
<tr>
<th>Topic</th>
<th>Time Devoted to Each Topic</th>
<th>Activity</th>
</tr>
</thead>
</table>

**The Rise of the Network Society, Key Concepts**  
Week 1  


**Introduction to Networks, Theories & Concepts**  
Week 3  
Rainie & Wellman (2012), pages 1-108.


**Knowledge Networks: Actor-Network Theory (ANT), Communities of Practice**  
Week 4
Social Movements, Netizens, Twitter Revolutions    Week 5

Both discussion leaders may draw on concepts in pages 1-19 and pages 218-240 for their cases. See appendices for key dates and data.

Al-Rawi, Ahmed (2014). Framing the online women’s movements in the Arab world. Information, Communication & Society, 17(9), 1147-1161.

Geopolitical Networks    Week 6


Economics of the Network Society, Networked Commerce Work in the Network Society    Week 7


Networks and Organizations    Week 8

Rainie & Wellman, pages 171-195.


Niche Networks    Week 9


Networked Relationships and Networked Households    Week 10

Rainie & Wellman, pages 117-170.

Gardner & Davis, pages 1-208.

Peer Reviews of Revised Prospectus    Week 11

Bring two hard copies of your prospectus to class.
The Networked Self, Networks and Cognition  Week 12  

Regulating and Governing Communication  Week 13  
Networks Cyberspace and the Fourth Amendment  
Intellectual Property Ethics

Privacy and Surveillance Free Expression Digital  Week 14  
Sovereignty  
Student Research Presentations  Week 15  
Student Research Presentations  Week 16

Syllabus
CRDM 703 syllabus for course action changes.doc

Additional Documentation

Additional Comments

minosbis 2/16/2015: No conflicting/overlapping courses.

ghodge 2/17/2016 Ask department to edit syllabus to be consistent with the revised course action in CIM

ABGS Reviewer Comments:
- No issues.

Course Reviewer Comments

mjohnson (Fri, 15 Apr 2016 14:02:44 GMT): MJohnson: I have revised syllabus to coincide with new objectives and new course name.

Key: 1203