Psychological Aspects of Communication Technology  
COMM 517  
Spring 2014  
(Course Information Available on ANGEL: https://cms.psu.edu/default.asp)

Instructor:  
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Co-Director, Media Effects Research Laboratory  
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sss12@psu.edu

Meeting Times:  
Fri. 10:10 am – 1:10 pm in Rm. 003, Carnegie

Office Hours:  
Tues and Thur– 5:00 to 6:00 pm; Fri – 2:00 to 3:30 pm  
(Advance sign-up at 122, Carnegie)  
E-Mail for Appointments outside office hours

Course Assistants:  
T. Franklin Waddell (PhD candidate)  
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Office: 203 James Building  
Office Hours: By appointment only

Yan Huang (PhD candidate)  
yxh185@psu.edu  
Office: 205 James Building  
Office Hours: By appointment only

Description:  
This graduate seminar is devoted to psychological aspects of human-computer interaction (HCI) and computer-mediated communication (CMC). Theories and empirical research from communication, psychology, consumer behavior and human-computer studies will be used to explore:  
• social responses to communication technologies;  
• uses and effects of unique technological features such as interactivity and navigability upon individual users' thoughts, emotions, and behaviors;  
• nature and dynamics of interpersonal and group interaction when mediated by technology;  
• how issues of source, self and privacy are altered by computer-based media;  
• broad social-psychological consequences of internet use, such as addiction, depression, and civic participation.

The primary goal of the seminar is to draw out, through readings, discussion and empirical exploration, fundamental theoretical and
practical implications of these lines of research for interface design, psychological processing of mediated form and content, human-website interaction, and internet-based mass, group and interpersonal communication.

Text and readings: There is no textbook for this class. However, we will be relying heavily on readings for most class meetings. These readings, selected from a wide variety of journals, are available from the Readings folder under the Lessons tab of the class ANGEL space.

Assignments and Grading: Class Participation 15%
Reading Summary/Critique 15%
Discussion Questions 30%
One-Pagers 10%
Research Project 30%

Class Participation: Since the success of this seminar is heavily contingent upon effective participation from all those present, 15 percent of the final grade is devoted to the quality of your class participation. Not only your presence in class, but also your level of preparedness (keeping up with the readings, lectures, etc.) and the caliber of your comments will be included in this score.

Reading Summary: Students will take turns presenting summary-cum-critiques of assigned readings. Each student is expected to distribute a 1-2 page handout and make a ten-minute presentation of THREE of the assigned readings in two separate class meetings, followed by questions from the instructor and fellow students. This exercise will count for 15 percent of the final grade in the course, and students going early in the semester may have the option of bettering their score by electing to summarize/critique a fourth article, subject to availability.

Discussion Questions: Every student should e-mail in advance (deadline: 10 am Thursday) at least one question about each of the assigned readings (clearly identify the article on which your question is based, and put all your questions for the week in the body of your email AS WELL AS in a word file attached to that email). That is, if a given class meeting has three articles assigned, each student is required to submit at least three questions prior to that meeting, i.e. one question pertaining to each of the readings. However, if you are presenting a summary/critique of one of those articles, you need not submit a question about that article, but should submit questions relating to the other articles assigned for that class meeting. Class discussions will center on these questions, so try to be open-ended in your queries. Try also to incorporate concepts from other classes and readings outside the class. Discussion questions account for 30% of the grade and will be
based on their relevance to the class as well as the level of profound curiosity. A question that is thoughtful as well as thought-provoking will be awarded full points whereas one that perfunctorily seeks factual answers will be awarded minimal points, if at all. In general, successful questions tend to be theoretically rigorous (i.e., frame the question around the “how” and “why” a certain phenomenon occurs), concretize concepts through everyday examples of human interaction with communication technologies, and pose a testable hypothesis for future research.

One-Pagers: The goal of this exercise is to encourage creative thinking about technology and technology research. Each student is required to submit a one-page musing (in the form of a story, poem, satire, whatever) about two topics. During most class meetings, the instructor will announce a one-pager topic for the following class. All students are not required to respond to all topics. Just two submissions over the entire semester will do. Grading will be based on the degree of creativity, cleverness and imagination in each of the two submissions.

Research Project: Groups of two or three will be formed to facilitate original empirical explorations pertaining to the psychology of communication technology. These groups will conduct a research project, from start to finish, with the objective of making an original contribution to the field. Details will be spelled out later in the semester.

Academic Integrity: Academic integrity is the pursuit of scholarly and creative activity in an open, honest and responsible manner, free from fraud and deception, and is an educational objective of the College of Communications and the university. Cheating, including plagiarism, falsification of research data, using the same assignment for more than one class, turning in someone else’s work, or passively allowing others to copy your work, will result in academic penalties at the discretion of the instructor. In serious cases it could also result in suspension or dismissal from the university or in the grade of “XF” (failed for academic dishonesty) being put on your permanent transcript.

As students studying communications, you should understand and avoid plagiarism (presenting the work of others as your own). A discussion of plagiarism, with examples, can be found at http://tlt.psu.edu/plagiarism/student-tutorial/.

The rules and policies regarding academic integrity should be reviewed by every student, and can be found online at: www.psu.edu/ufs/policies/47-00.html#49-20, and in the College of Communications document, “Academic Integrity Policy and Procedures.” Any student with a question about academic integrity or plagiarism is strongly encouraged to discuss it with his or her instructor.
**Note to Students with disabilities:** Penn State welcomes students with disabilities into the University’s educational programs. If you have a disability-related need for reasonable academic adjustments in this course, contact the Office for Disability Services, ODS located in room 116 Boucke Building at 814-863-1807(V/TTY). For further information regarding ODS, please visit their web site at [www.equity.psu.edu/ods/](http://www.equity.psu.edu/ods/). Instructors should be notified as early in the semester as possible regarding the need for reasonable academic adjustments.

**Schedule:** The schedule includes the main topics for each meeting and the readings required for the meeting. Class discussions will not repeat material in the readings; rather, they will add more depth and attempt to synthesize existing and emergent material with previously established knowledge in the field. (The readings emphasize recency over history and therefore may need context and background by way of additional references—which the instructor will be happy to provide upon request). Each class meeting is tasked with the specific goals of (1) explicating theoretical mechanisms and (2) generating study ideas. It is very important to be on top of the readings in order to participate effectively in class.

**Topics & Readings Schedule**

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<tr>
<th>Date</th>
<th>Topic</th>
<th>Readings</th>
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<td>Walther, Gay, &amp; Hancock (2005)</td>
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<td>Bargh &amp; McKenna (2004)</td>
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<td>Sundar (2009)</td>
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<td>Lee, Peng, Jin, &amp; Yan (2006)</td>
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<td>Eckles, Wightman, Carlson, Thamrongrattanarit, Bastea-Forte, &amp; Fogg (2009)</td>
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<td>Jan. 31</td>
<td>USES &amp; USABILITY</td>
<td>Valacich, Parboteeah, &amp; Wells (2007)</td>
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<td>Nardi, Schiano, Gumbrecht, &amp; Swartz (2004)</td>
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<td>Vasalou, Joinson, &amp; Courvoisier (2010)</td>
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<td>Tuch, Roth, Hornbæk, Opwis, &amp; Bargas-Avila (2012)</td>
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<td>Feb. 7</td>
<td>TECHNOLOGY &amp; DEPENDENCY</td>
<td>Sheldon, Abad, &amp; Hinsch (2011)</td>
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<td>Kardefelt-Winther (2014)</td>
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<td>Tokunaga (2013)</td>
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<td>Read, Miller, Appleby, Nwosu, Reynaldo, Lauren, &amp; Putcha (2006)</td>
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<td>Sundar (2000)</td>
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<td>Oviatt, Coulston, &amp; Lunsford (2004)</td>
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<td>Feb. 21</td>
<td>SITUATING AGENCY</td>
<td>Bickmore, Pfeifer, &amp; Jack (2009)</td>
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<td>Stavrositu &amp; Sundar (2012)</td>
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<td>Fox &amp; Bailenson (2009)</td>
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<td>Feb. 28</td>
<td>INTERACTING WITH INTERACTIVITY</td>
<td>Bucy (2004a)</td>
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<td>Bucy (2004b)</td>
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<td>Sundar (2004)</td>
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<td>Voorveld, Neijens, &amp; Smit (2011)</td>
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<td>Sundar (2007)</td>
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<td>Mar. 7</td>
<td>AFFORDING NAVIGATION</td>
<td>Mathwick &amp; Rigdon (2004)</td>
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<td>Pan, Hembrooke, Joachims, Gay, &amp; Granka (2007)</td>
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<td>Balakrishnan &amp; Sundar (2011)</td>
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<td>Held, Kimmerle, &amp; Cress (2012)</td>
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<td>Mar. 21</td>
<td>INTERACTING VIRTUALLY</td>
<td>Hancock, Thom-Santelli, &amp; Ritchie (2004)</td>
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<td>Lee (2007)</td>
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<td>Walther, Van Der Heide, Kim, Westerman, &amp; Tong (2008)</td>
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<td>Ling, Beenen, Ludford, Wang, Chang, Li, et al. (2005)</td>
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<td>Mar. 28</td>
<td>INTERACTING UBIQUITOUSLY</td>
<td>Waller &amp; Johnston (2009)</td>
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<td>Ishii (2006)</td>
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<td>Sparrow, Liu &amp; Wegner (2011)</td>
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<td>Campbell &amp; Kwak (2011)</td>
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<td>Apr. 04</td>
<td>TECHNOLOGY &amp; SELF</td>
<td>Mesch &amp; Beker (2010)</td>
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<td>Yee, Bailenson, &amp; Ducheneaut (2009)</td>
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<td>Sundar &amp; Marathe (2010)</td>
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<td>Yao &amp; Flanagin (2006)</td>
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Apr. 11  TECHNOLOGY & CIVIC PARTICIPATION
       Sunstein (2001)
       Iyengar (2001)
       Gil de Zúñiga, Jung, & Valenzuela (2012)
       Kim (2011)

Apr. 18  DATA ANALYSIS

Apr. 25  DATA INTERPRETATION

May 2   GROUP RESEARCH PROJECT PRESENTATION

May 9   GROUP PROJECT REPORT & ABSTRACTS DUE

Note: Based on class progress, the instructor reserves the right to amend and change the syllabus, reading schedules, and assignments during the semester.

List of Readings in Electronic Reserves
(Readings accessible by clicking on the Course Reserves button at http://www.libraries.psu.edu)


Kim, Y. (2011). The contribution of social network sites to exposure to political difference: The relationships among SNSs, online political messaging, and exposure to cross-cutting perspectives. Computers in Human Behavior, 27(2), 971-977.


Lievrouw, L.A., Bucy, E.P., Finn, T.A., Frindte, W., Gershon, R.A., Haythornthwaite, C.,


