ICT 300 Section 001
Information and Communication Technology in Society

Instructor: Dr. D. Nemer
Office Address: 329 Lucille Little Fine Arts Library
Email: david.nemer@uky.edu
Office Phone: 859-218-0288
Office hours: Tuesday and Thursday, 4:00 to 5:00 PM
Virtual Office hours: Same as above in Canvas
Preferred method of contact: Email
                                    I usually respond to questions within 1 day.

Course Description

We live in a world of rapid technological innovation. This innovation has allowed significant changes in the ways that we communicate and interact with forms of media. In fact, the technologies related to communication have created a culture surrounding how we see, hear, read and use information, and have significantly impacted politics, economics, policy, etc. This course studies the relationship between information and communication technology (ICT) and individuals, organizations, and society. It examines current issues related to the diffusion of new technologies in society as well as the obstacles to widespread use of individual ICTs. Students in this course will analyze the various theories related to the use of emerging communications forms, and consider the factors related to successful ICT deployment. Students will be required to look beyond "positive/negative" classification of new communication technology, and conduct in-depth interrogations of ICTs and the issues that surround them.

Prerequisites

None

Course Objectives

By the end of the course, you should be able to:

1. Identify major information-related social issues in contemporary society, and describe the various perspectives that characterize current debates on those issues.
2. Describe and discuss the various theories related to various ICTs and be able to recognize the influence of these theories in current debates and discussions.
3. Examine new ICTs and forecast possible impacts on society and the concomitant impact that society may have on the new technology.
4. Communicate their ideas about ICTs using multiple modes of communication including, written, oral, visual, and group communication styles.

Required Materials

All class readings will be made available online or through UK Libraries Course Reserve.

Course Activities and Assignments
- Class participation – 15%
- Online Activities – 20%
- Reading Journals – 20%
- Assignments (3) – 20%
- Exams (2) – 25%

Summary Description of Course Assignments

Reading Journals
Prior to lecture students must complete the assigned reading. They must also complete a reading journal form for 3 reading assignments each week. If I assign 6 articles in one week, you should complete 3 forms. These forms are structured to help you develop good class preparation habits and to give you a safety net in case you get cold called in lecture. Your reading journals will be invaluable as you study for the final exam. You are encouraged to revise them as your understanding of the course material improves. Journals are due on Mondays in class – online submissions will NOT be accepted.

Examinations
Students will be responsible for all of the information contained in the readings, lectures and other presentations. Examinations generally will consist of multiple choice, short answer and essay questions in which it will be necessary for students to spot the issue in the facts provided and, using what we have discussed in class, analyze and answer the question. The professor reserves the right to alter the examination format. Exams are worth 25% of your grade.

Students are expected to be present and on time for each scheduled examination. Only in instances where there is an excused absence will a make-up be given. A student seeking to be excused must present to the professor written evidence of an excusable absence such as personal illness or death in the family. Other excuses must be analyzed on a case-by-case basis. Except during periods of extreme weather conditions, no extra time will be given to examination latecomers.

Assignments
This class will involve several writing assignments geared at developing students' ability to articulate their own arguments, grapple with nuanced questions, and examine the points of view of others as well as their own perspectives. Detailed instructions will be available on Canvas. If you would like help with your writing, we encourage you to make use of the resources provided by Robert E. Hemenway Writing Center:
https://wrd.as.uky.edu/writing-center

Final Project
Your final project will be a research proposal on a relevant topic of your choice. Detailed instructions will be available on Canvas. To assist you in developing the project, draft components will be due at various stages in the latter half of the course. If you have

questions about your final project or choice of topic, you are encouraged to contact your instructor early and often.

Class Participation
Participation is not simply attending class. Students are expected to fully participate in class. This means having completed all assigned readings prior to class and arriving prepared to discuss the topics for that class period. All students participating in class discussions are expected to provide relevant discussion insight, be respectful of other classmates and their opinions and share any relevant personal experience that may add to the topic at hand.
Course Grading
> 90 – 100% = A
> 80 – 89% = B
> 70 – 79% = C
> 60 – 69% = D
> Below 60% = E

Mid-term Grade (for 100-400 level courses, and for undergrads in 500-level courses)
Mid-term grades will be posted in myUK by the deadline established in the Academic Calendar (http://www.uky.edu/registrar/calendar).

Important Notes
1. Be sure to complete readings prior to the class meeting.
2. You are responsible for all information, announcements, and changes addressed in classes and/or Canvas.
3. The instructor reserves the right to alter the syllabus during the semester, if necessary.

Submission of Assignments
Assignments are to be submitted online on Canvas. If you submit a piece of coursework after the deadline but within 24 hours of the deadline, your mark will be reduced by 10 percentage points. Assignments will not be accepted after 24 hours of the deadline.

MAKE SURE YOUR PIECE OF COURSEWORK GETS SUBMITTED ON CANVAS – since the professor can't verify if you submitted your assignment and it didn't actually go through.

Discussing Grades
Students who have grade or exam concerns must approach the professor during office hours, or through appointment. In order to give our full attention to grade issues, the professor will NOT discuss grades or exams before or after class. Once grades are posted online, you may visit the professor during office hours or by appointment to review your exam. Please contact the professor if you do not find your exam score posted. Grades will not be discussed over email or the telephone.

Students who wish to discuss grades or scores earned have one week from the date grades are posted to do so. Grades will not be addressed after this time period has expired.

Students need to contact the professor for an appointment to discuss the issue. Students must bring a written explanation of their dispute with them to this appointment. If the matter is still unresolved, students need to contact the director of School of Information Science. Students that do not fulfill these requirements will not be addressed and the original grades will be final.

Attendance Policy
This class is a community whose success depends on everyone's participation, and it is vital for you to attend class in order to be successful. Attendance will be taken at the beginning of class. If you miss this, it is your responsibility to let me know you arrived late. If you are absent on a day when an assignment is due, you will be allowed to hand in or make up that work **only** if the absence is **officially excused**. You will be asked to provide official written documentation for excused absences the next time you are in class in order for your absence to be excused. If you know ahead of time that you will be absent from class with an excused absence, please discuss this with your instructor and turn in any assignments ahead of time. Excuses for university-sponsored activities must be made *prior* to such absences. For any emergency situation that arises, **email your instructor** as soon as you know about the situation when possible. **No make-up work is available for in-class exercises or quizzes unless approved in advance by your instructor**. Students have one week to complete a missed assignment or quiz due to an excused absence upon their return without penalty.

If you know ahead of time that you will be absent from class with an excused absence, please discuss this with your instructor and turn in any assignments ahead of time. Excuses for university-sponsored activities must be made *prior* to such absences. For any emergency situation that arises, **email your instructor** as soon as you know about the situation when possible. Students have **one week** to complete a missed assignment or quiz due to an excused absence upon their return without penalty.

Excused Absences
Students need to notify the professor of absences prior to class when possible. *Senate Rules 5.2.4.2* defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit "reasonable cause for nonattendance" by the professor.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Two weeks prior to the absence is reasonable, but should not be given any later. Information regarding major religious holidays may be obtained through the Ombud (859-257-3737, http://www.uky.edu/Ombud/ForStudents_ExcusedAbsences.php.

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused) per University policy.

Per *Senate Rule 5.2.4.2*, students missing any graded work due to an excused absence are responsible: for informing the Instructor of Record about their excused absence within one week following the period of the excused absence (except where prior notification is required); and for making up the missed work. The professor must give the student an opportunity to make up the work and/or the exams missed due to an excused absence, and shall do so, if feasible, during the semester in which the absence occurred.

Verification of Absences
Students may be asked to verify their absences in order for them to be considered excused. *Senate Rule 5.2.4.2* states that faculty have the right to request "appropriate verification" when students claim an excused absence because of illness, or death in the family. Appropriate notification of absences due to University-related trips is required prior to the absence when feasible and in no case more than one week after the absence.

Academic Integrity
Per University policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the University may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: http://www.uky.edu/Ombud. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Senate Rules 6.3.1 (see http://www.uky.edu/Faculty/Senate/ for the current set of *Senate Rules*) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about a question of plagiarism involving their work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording, or content from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism.

Plagiarism includes reproducing someone else's work (including, but not limited to a published article, a book, a website, computer code, or a paper from a friend) without clear attribution. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work, which a student submits as his/her own, whoever that other person may be. Students may discuss assignments among themselves or with an instructor

or tutor, but when the actual work is done, it must be done by the student, and the student alone.

When a student's assignment involves research in outside sources or information, the student must carefully acknowledge exactly what, where and how he/she has employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content, and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas, which are so generally and freely circulated as to be a part of the public domain.

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

Accommodations due to disability
If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (DRC). The DRC coordinates campus disability services available to students with disabilities. It is located on the corner of Rose Street and Huguelet Drive in the Multidisciplinary Science Building, Suite 407. You can reach them via phone at (859) 257-2754 and via email at drc@uky.edu. Their web address is http://www.uky.edu/StudentAffairs/DisabilityResourceCenter/.

Policies concerning academic integrity, excused absences and academic accommodations due to disability are available online at:
https://ci.uky.edu/sis/sites/default/files/policies.pdf

Degree Progress Reviews
Upper-division students with 60 or more earned hours who have not already received a degree progress review from Suanne Early, Director of Student Affairs, are encouraged to schedule an appointment for Fall 2016. Appointments will be available beginning August 31, 2016. To schedule the appointment: 1) Start on the myInfo tab in myUK; 2) Click on the myAppointments link on the left side; 3) Choose Advising Department (College of Communication); 4) Choose Appointment Category (Degree Progress Review); 5) View the calendar and select an appointment time (options in BLUE). An email confirmation of your appointment will be sent to your UK email account. Failure to complete a degree progress review could result in delayed graduation.

Degree Applications
Students with 85 or more completed credit hours who intend to graduate in 2017 must apply for their degree using the myRecords tab in myUK. Click on the "Apply for Degree" link on the left side. Degree application deadlines are November 30 for a May degree, February 28 for an August degree, and June 30 for a December degree.

TECHNOLOGY INFORMATION & RESOURCES

Distance Learning Students are expected to have a minimum level of technological acumen and the availability of technological resources. Students must have regular access a computer with a reliable Internet connection and audio capabilities. Internet Explorer 7 (IE) or Firefox 2.x are the recommended browsers for those using a Windows-based PC. Those using Firefox 3.x may encounter problems with assignment uploads. Those using an Apple computer with MAC OS X (10.5.x) may use Firefox 3.x or Safari 3.x.
Please be certain that your computer and/or browser allow you to view Adobe Reader documents (.pdf). Microsoft Office and other software products are free for students: http://download.uky.edu/.

As your instructor, I am your first go-to person for technology problems. If you need more immediate assistance, please contact UKIT.

Information Technology Customer Service Center (UKIT)
http://www.uky.edu/UKIT/; 859-218-4357

Library Services & Distance Learning Services
http://www.uky.edu/Libraries/DLLS
- Carla Cantagallo, DL Librarian
- Local phone number: (859) 257-0500, ext. 2171; long-distance phone #: (800) 828-0439 (option #6)
- Email: dllservice@email.uky.edu
- DL Interlibrary Loan Service:
  http://www.uky.edu/Libraries/libpage.php?lweb_id=253&llib_id=16

For more resources about online classes and student resources, visit
http://www.uky.edu/ukonline/

The School of Information Science has a page with a comprehensive list of technology resources here: http://ci.uky.edu/sis/students/techtips

Military Members and Veterans
We recognize the complexities of being a member of the military community and also a student. If you are a member of the military or a military veteran or dependent, please inform your instructor if you are in need of special accommodations. Drill schedules, calls to active duty, mandatory training exercises, complications with GI Bill disbursement, and other unforeseen military and veteran related developments can complicate your academic life. If you are aware of a complication, we will work with you and put you in contact with university staff members who are trained to assist you. Please contact the Coordinator of the University of Kentucky Veterans Resource Center at (859) 257-1148 for additional assistance. Visit http://www.uky.edu/veterans for more available resources.

Technology Policy
The use of technology (laptops, smartphones, tablets, etc) is not recommended. The professor will let the students know in advance when technology will be required for class activities. Please read the Technology Policy document available on Canvas.

Email Etiquette
Please give your professor up to 24 hours to reply to your emails, and she/he will do the same for you. Please put the course number in the Subject line in brackets ([ICT 300]) and remember to sign you email with your name. We expect the language and structure of your emails to be professional. This includes punctuation, salutations/signature, etc. Please read the article "How to Email Your Professor" available on Canvas.

Classroom Behavior
Everyone is expected to conduct themselves professionally during class. This includes arriving on time. Arriving late or using laptops or other devices for entertainment distracts everyone. Students who arrive at class more than ten minutes late, leave early without advance permission of an instructor, or use electronic devices may not receive attendance and/or participation credit for the day, at the discretion of the instructors. Professional behavior also entails being respectful of others and their opinions—even and especially when you do not agree with them.

Changes to the Syllabus
This syllabus is subject to change as the semester progresses. The professor will communicate the changes in class and send an announcement on Canvas. The most current syllabus will always be available on Canvas.

Date	Topic	Readings
Week 1	Class Overview & Introduction	Syllabus
Week 2	ICT in Society	• Sawyer, "Social Informatics"
Week 3	Technological relationships in your life	• Gold, "How smart does your bed have to be, before you are afraid to go to sleep at night?" • Bringsjord, "Only a Technology Triad can Tame Terror" • Turkle, Alone Together
Week 4	Evocative Objects / Technological determinism	• Gathman, "Cell Phones" • Green, "Really Thinking About Things" • Nye, "Does Technology Control Us?" • Baym, "Technological Determinism"
Week 5	Social construction of technology / Mutual Shaping	• MacKenzie, "The Social Shaping of Technology" • Baym, "Social Construction" • Winner, "Do Artifacts Have Politics?"
Week 6	Social media activism and Media ideologies	• Gladwell, "Small change: Why the revolution will not be tweeted" • Gershon, Breakup 2.0 • Toyama, "Geek Heresy" Chap. 2 - The Law of Amplification says that technology amplifies people.
Week 7	Free and open source software	• Raymond, "Cathedral and the Bazaar"
Week 8	History of openness Access on the internet	• Wu, The Master Switch • Grayling, "The Googlization of Everything: Has Google Turned Evil?"
Week 9	Technology and identity	• Lanier, You are not a Gadget
Week 10	Creation myths	• Latour, Science in Action • Heath and Heath, "The Myth About Creation Myths" • Morris, "Did my Brother Invent E-mail"
Week 11	The lone inventor The Romantic Author	• Gladwell, "Creation Myth: Xerox PARC, Apple, and the truth about innovation" • Boyle, "Shamans, Software, and Spleens" (pp. 125-128)
Week 12	Dark side of the knowledge Economy / Corporate culture	• Winner, "The electronic cottage" • Howard, "How I escaped from Amazon.cult" • Campbell-Dollaghan, "Secret History of Silicon Valley…" • Schiller, "Inside the Hellscapes"
Week 13	Big Data in Society	• boyd & Crawford, "Critical Questions for Big Data" • O'Reilly, "Open Data and Algorithmic Regulation"
Week 14	Thanksgiving break	

Week 15	ICT for Development	• Heeks, "ICT4D 2.0: The Next Phase of Applying ICT for International Development" • Nemer, "Online Favela: The Use of Social Media by the Marginalized in Brazil" • Toyama, "Geek Heresy" Chap. 4 - Other interventions are also like technology in being quick fixes.
Week 16	Final Project presentation	