

**University of Kentucky
School of Information Science (SIS)**

ICT 150-001: Experience ICT

11:00-11:50 MWF

Lucille Little Fine Arts Library Building, Room 312

INSTRUCTOR INFORMATION

Primary Instructor:

Deloris Foxworth, Lecturer

MSLS, MA

deloris.foxworth@uky.edu

phone: 859-218-2292

Office Hours: RF 2:00-4:00 pm

email for appointment

Location: 320 Little Library Building

(inside School of Information Science suite)

COURSE INFORMATION

Course Description

Through the exploration of social and technological theories related to Information Communication Technology and the evolution and current applications of ICT, students will gain a better understanding of how emerging technologies have led to the need and development of ICT as a discipline; its shared commonalities with other disciplines; its distinct characteristics; its applications in the workplace and personal contexts; and its impact and future implications on individuals, organizations, and societies.

Course Goals

1. To provide a greater understanding of the convergence of information, communication and technology into the field of ICT.
2. To introduce social and technological theories related to ICT.
3. To distinguish the differences and similarities of ICT to other related fields.
4. To showcase the relevance of ICT in today's world.
5. To explore multiple industries/fields/careers that use ICT.
6. To provide a greater understanding of ICT's impact on individuals, organizations and societies.

Learning Outcomes

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

1. Define ICT.
2. Identify and understand social and technological theories related to ICT.
3. Identify other concepts associated with, similar to, and mistaken for ICT.
4. Describe the relevance of ICT in today's world.
5. Identify multiple industries/fields/ careers that use ICT.
6. Communicate their understanding and ideas about ICT in writing and verbally.
7. Describe ICT's impact on individuals, organizations, and societies.

Required Materials

All readings available online or through Canvas, UK's Online Journals or UK Libraries.

Technology Requirements

Students should bring an internet-ready (wi-fi enabled or cellular data connection) device such as smart phone, laptop, or tablet to class participate in lecture polls, access readings, and take exams. Students must have access to Canvas through their UK ID to successfully complete this course. Students are encouraged to download the Canvas app to their devices. Students may also need access to Google Drive (For instructions on setting up the Google student account, [click here](#)) and access to [Zoom](#) (which they should already have with their link blue user name and password).

Students are not required to have a webcam and microphone, although they may come in handy. [Click here to view](#) UK's Analytics and Technologies Department's minimum requirements for technology for elearning.

STUDENT EVALUATION

Grading Parameters

Assignments	30%
Exams (3, including comprehensive final)	40%
Lecture Polls	10%
Classroom Activities	20%

Grading Scale

90% – 100% = A (Exceptional Achievement)
80% – 89% = B (High Achievement)
70% – 79% = C (Average Achievement)
60% – 69% = D (Below Average)
0% – 59% = E (Failing)

Course Assignments

This course is divided into four (4) learning modules: (1) Defining ICT; (2) ICT in Use; (3) Impact of ICT; (4) Future of ICT. Successful completion of each module requires the completion of all module assignments. Students must also actively participate in the weekly classroom discussions, activities, and lecture polls.

Assignment due dates are indicated on the daily schedule. Late assignments are not accepted unless arrangements have been made with the instructor prior to the due date.

Submission of Assignments

All homework must include your name, instructors' names, the course and section, and the date. When submitting assignments on Canvas, make sure to give your work a document name to indicate what the item is. For example, you may title your assignment "lastname_impact." You are responsible for keeping back-up (I recommend several) copies of all your work since electronic texts can be lost. All assignments must be written in Standard English with correct grammar, spelling, and punctuation. Assignments are to be completed solely by the individual.

Self-Discipline

You are responsible for completing readings, turning in assignments and attending class. This course requires some digital components (ex. Readings, turning in assignments, lecture polls, etc.) so you

should not wait until the last minute to complete readings or submit assignments since technological issues can and will occur. Also remember to check Canvas at least twice a week for class updates or additional information.

Assignments

Students will complete a variety of exercises for each module. Among those, there will be five primary assignments/exercises. These assignments/exercises apply skills, concepts and processes covered in the readings and class materials.

1. ICT Observation: Students should observe and record when, where, how, and why they use ICT and/or observe ICT in use. Students can select the time for the observation but must be during the active part of their day and should include at least 6 hours of data (do not have to be consecutive). Before conducting research students should visit UK's Office of Research Integrity website to learn about ethics of inquiry and then generate a list of ethical concerns related to this observation assignment. Following data collection, the student should generate a chart of the data and make at least two general conclusions found during data collection (that can be reflected on the chart). Upon completion of the observation assignment students will answer a series of questions about the research process allowing them to reflect on the methods and ethics of inquiry. (Sample questions: Did you inform subjects about your research? Did anyone question what you were doing while you were observing? How did you respond? Were your observations unobtrusive to those you were observing? Do you believe your research/results to be bias? Why or why not?)
2. Impact bibliography: Students will select an area of impact from those discussed in class. Then compile an annotated bibliography of the resources introduced in class and at least 8 additional resources. The articles should be scholarly in nature, present a social science view and address the impact area chosen. Annotations should summarize the article and tell how it relates to impact area and ICT.
3. Research in ICT: Students should compile a list of research questions and research methodologies from at least 6 of the articles identified in the impact bibliography assignment. Then the students should formulate a different research question related to the impact area and propose a reasonable research strategy to address the question.
4. Scenario Thinking Assignment: Students should write a 2-3 page narrative of a selected scenario created by their group. The scenario should be well developed, believable story. The story should have a beginning, middle, and end; it should include a plot related to focal question, ICT, and the key forces; and it should contain realistic characters.

Exams

Students are expected to complete three (3) exams throughout the semester. Each exam will be used to determine student comprehension of readings, discussions, and lectures for its respective module. The final exam will be comprehensive asking questions related to all the class materials.

Make-up exams will be offered at the instructor's availability only for students with a university approved absence. It is the student's responsibility to contact the instructor to schedule a make-up time within one week of the original exam time.

Lecture Polls

During the semester students will participate in polls about the readings and lectures. The polls are designed to encourage students to complete reading assignments and actively participate in the classroom.

The lecture polls will be completed and results discussed in class. Students should bring a wi-fi enabled device (like smartphone, tablet, laptop, etc.) to class to fully participate.

Classroom Activities

Engaged and respectful discussion and activities are necessary for better comprehension so designated classes will be devoted to discussion and learning activities (see course calendar for designated classes) to enhance understanding. Students will break out in to smaller groups working with the instructor on discussion or other activities. Students with thoughtful and original contributions, and frequent comments/questions/participation will receive full points.

All class discussions, both in-class and online, should be respectful and intellectually stimulating. Any student being disrespectful will be asked to leave the class and will not be eligible for full points.

Example classroom activities (points awarded for participation in-class and completion of pre-class activities)

1. BYOUnderstanding of ICT: Students should bring in their own definitions of what ICT is. The definitions should be based only on current knowledge. Does not require reading course materials yet. Definitions are also required to be submitted through Canvas before the start of class.
2. Debates: There will be multiple debates throughout the semester on a variety of topics. Students should be prepared to participate on either side of the debate. Students should submit statement supporting one side of the debate on Canvas before the start of class. Statement should include reference to an assigned reading or other scholarly article. (For other scholarly articles please supply citation.)
3. Observation Presentation/Discussion: Students will bring their findings from the ICT Observation assignment to class. In small groups, students will share their findings and discuss the results. Each group will summarize their discussion to share with the class.
4. BYOExample of Future: Students should bring in an example of where ICT is going or progressing. These examples should come from articles found in popular or scholarly materials and can be electronic or print. The ideas presented can be fictional or factual it just needs to be a published idea. Students should be prepared to share information about the future example to the class. Students should submit their example and source in Canvas before the start of class.
5. BYOCareer: Students should bring an example of ICT in use in the workplace and be prepared to discuss how it is being used, how a process changed with addition of ICT and identify and explain the level of ICT expertise involved (based on the course readings). Students are required to submit example and explanation in Canvas before the start of class.

6. BYOQuestion: Students should bring a thought-provoking question related to the daily topic or the speaker's background. (This will occur multiple times during the semester.)
7. Scenario Thinking Activity: Students, in groups of 4-6, will work through an 8-step scenario thinking process presented in the readings. The groups should provide documentation of their work together. Some class time will be dedicated to working on this exercise. Additional time may be required outside for individual elements and group work.

Other classroom activities may be generated based on assignments, assigned readings and lectures.

Course Policies

Attendance

Regular attendance to class is essential to succeed in this course. This is a face-to-face class course, therefore, we will rely heavily on class lectures, lecture polls, and activities to discover methods of research and inquiry. Students are expected to come to class having read the assigned material and to be prepared to participate in a poll, discussion or other activity regarding the readings. Missing class may result in missed points for any activities (lecture polls, classroom activities, or tests) conducted during class. This policy will be strictly enforced. Only students who submit appropriate documentation for an excused absence (defined in the next section) will be eligible to make up missed activities.

Excused Absences

Students need to notify the professor of absences prior to class when possible. Students have up-to one (1) week following an excused absence to provide appropriate documentation. *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.

Excuses for university-sponsored activities must be made prior to such absence. 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).

Verification of Absences

Acceptable verification for excused absences due to illness includes documentation from a medical professional (must include medical professional's contact information) with date of service and any restrictions or time off explicitly stated, Tier 2 emails from University Health Services (for limited absences), or Tier 3 documents from University Health Services for extended absences (must specifically identify date range for absence). Tier 1 documents provided by University Health Services will only be accepted for up-to 2 absences (non-consecutive days). Tier 1 documents will not be accepted on exam days.

Late Work

Late work submitted within 24 hours will receive a 10% penalty. Late work submitted within 48 hours will receive a 20% penalty, and late work received before 72 hours will receive 30% off. No late work is

accepted after 3 days. Late work will only be accepted for assignments. Lecture polls and classroom activities will not be accepted late.

Plagiarism

Part II of Student Rights and Responsibilities (6.3.1; online at <http://www.uky.edu/StudentAffairs/Code/part2.html>) states:

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 anything else from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism.

Plagiarism includes reproducing someone else's work, whether it be published article, chapter of a book, a paper from a friend or some file, or whatever. 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.

Make sure to properly cite in all your assignments. Plagiarized work may be given a zero. Repeat offenses will result in a failing grade for the course.

Class Schedule

Learning does not always happen on schedule, and so changes may be made to meet the individual needs of the class. You will be responsible for checking the online syllabus and schedule before beginning your homework for any changes or updates.

E-mail Policy

Please allow 24 hours for your instructor to respond to your e-mail during the school week. On weekends, responses may not be made until Monday. I ask that before you e-mail with questions, please read your assignment information and syllabus carefully. If you have not heard from your instructor within 24 hours, please send a follow-up e-mail or speak with me in person.

Office Hours

I will be available to speak with you in my office, 320 Little Library, during office hours. During that time I will also hold virtual office hours through the Zoom application for those of you with questions but cannot make it to my office (See Canvas for access to the Zoom meeting room). This allows us to chat and share links and files. If you cannot make it to the scheduled office hours, please make an appointment to speak with me.

Questions

If students have questions of a personal nature regarding grades, attendance or other issues, the classroom or email is not the appropriate platform for that discussion. Students should contact the instructor to schedule an appointment to discuss.

Reference Librarians

The reference librarians on the 2nd floor, North Wing of W.T. Young Library are more than happy to help you with your research for this class and any class you have. Please feel free to visit, call, e-mail, or chat with them, unless your assignment requests that you do not seek their assistance. See the Libraries' Homepage for more information.

Academic Ombud

Dr. Sonya Feist-Price, the Academic Ombud will assist you with a variety of issues, including grade disputes. She is in 109 Bradley Hall and her number is 859-257-3737. You can e-mail her at ombud@uky.edu.

Disability Services

If you have a documented disability that requires academic accommodations in this course, please make your request to the University Disability Resource Center. The Center will require current disability documentation. When accommodations are approved, the Center will provide me with a Letter of Accommodation that details the recommended accommodations. Contact the Disability Resource Center, Jake Karnes, Director at 859-257-2754 or jkarnes@email.uky.edu.

GENERAL COURSE POLICIES

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

Course Calendar

A full list of formatted citations for readings in this course may be found in the Canvas shell under “Course References” in the navigation menu.

<u>Class Meetings</u>	<u>Topic</u>	<u>Assignments/Activities</u>
Wed, Aug 24	Review Syllabus Introduce BYO...	<ul style="list-style-type: none"> • Read Syllabus

Module 1: Defining ICT

<u>Class Meetings</u>	<u>Topic</u>	<u>Assignments/Activities</u>
Fri, Aug 26	What is ICT?	<ul style="list-style-type: none"> • Submit BYO Understanding of ICT
Mon, Aug 29 Wed, Aug 31	ICT Defined Introduce Class Debates	<ul style="list-style-type: none"> • Read 1.1 ICT and Society Pg. 1-5, 8-12, 20-22, 23-24, & 64-65 [eBook] • Read: Zuppo, C. (2012). [Journal Article] (Find through UK Libraries) • Read: Cline, H. (2014). Pg. 1-7. [eBook]
Fri, Sept 2 Wed, Sept 7	ICT as a social science <i>(Monday, September 5 no class because academic holiday)</i>	<ul style="list-style-type: none"> • Read: <i>Information and Communication technologies, society and human beings; theory and framework</i>. Pg. 30-35. (RESERVE- Fine Arts Library) • Read: Conflicting Visions of Technology. In <i>Philosophy of Technology: The Technological Condition, An Anthology</i>. Pg. 249-259. [eBook- chapter available through Canvas]
Fri, Sept 9	Is ICT good or bad?	<ul style="list-style-type: none"> • Submit Debate Statement • In-class Debate
Mon, Sept 12	Information Society	<ul style="list-style-type: none"> • Read: Webster, F. (2006) Definitions. <i>Theories of the information society</i>. Pg. 10-23. [eBook] • Read: <i>The Information Society Reader</i>. Pg. 15-20. (RESERVE- Fine Arts Library)
Wed, Sept 14	Network Society	<ul style="list-style-type: none"> • Read: <i>The Network Society</i>. Pg. 19-21 & 35-41. (RESERVE- Fine Arts Library) • Read: Castells, M. (2001). Pg. 9-15. [eBook]
Fri, Sept 16	Information and Network Societies	<ul style="list-style-type: none"> • Submit Debate Statement • In-class Debate
Mon, Sept 19 Wed, Sept 21	Technological Determinism and Social Construction of Technology	<ul style="list-style-type: none"> • Read: <i>Information and Communication Technologies in Action: Linking Theory and Narratives of Practice</i>. Pg. 27-35. (RESERVE- Fine Arts Library)

		<ul style="list-style-type: none"> • Read Technological Determinism vs. Social Construction of Technology. [website]
Fri, Sept 23	Technological Determinism and Social Construction of Technology	<ul style="list-style-type: none"> • Submit Debate Statement • In-class Debate
Mon, Sept 26		<ul style="list-style-type: none"> • In-class EXAM 1

Module 2: ICT in Use

<u>Class Meetings</u>	<u>Topic</u>	<u>Assignments/Activities</u>
Wed, Sept 28	Use of ICT Introduce ICT Observation and ethical research	<ul style="list-style-type: none"> • Read 1.1 ICT and Society pg. 13-17, 18-19, & 60-63. [eBook] • Read <i>Ethical Decision Making</i>. Pg. 26-29. (RESERVE- Fine Arts Library) • Review the Research Integrity Issues section on UK's Office of Research Integrity website
Fri, Sept 30, Mon, Oct 3, Wed, Oct 5	Brief introduction to theories related to ICT adoption and use	<ul style="list-style-type: none"> • Read <i>Information and Communication Technologies in Action: Linking Theory and Narratives of Practice</i>. Pg. 47-55. (RESERVE- Fine Arts Library) • Read Gentry, L. & Calanton, R. (2002). [Journal Article] (Find through UK Libraries.)
Fri, Oct 7	ICT Observation	<ul style="list-style-type: none"> • Submit ICT Observation Assignment • In-class Observation Presentation
Mon, Oct 10 Wed, Oct 12	Use in Healthcare	<ul style="list-style-type: none"> • Submit_BYOQuestion • Read <i>Information and Communication technologies, society and human beings; theory and framework</i>. Pg. 30-46. (RESERVE- Fine Arts Library) • Read Ruxwana, N., Herselman, M. & Conradie, D. (2010). [Journal Article]. (Find through UK Libraries.)
Fri, Oct 14 Mon, Oct 17	Use in Government	<ul style="list-style-type: none"> • Submit_BYOQuestion • Read Comparative E-Government. Pg. 3-22 and Pg. 161-181. [eBook] (Find through UK Libraries.)
Wed, Oct 19 Fri, Oct 21	Use in Banking	<ul style="list-style-type: none"> • Submit_BYOQuestion • Read Williams, K. & Adekunle, K. (2013). [Journal Article] (Find through UK Libraries) • Read Gosavi (2015). [Journal Article] (Find through UK Libraries)
Mon, Oct 24 Wed, Oct 26	Use in Agriculture	<ul style="list-style-type: none"> • Submit_BYOQuestion • Read Technological and Institutional Innovations for Marginalized Smallholders in Agricultural

		<p>Development. Pg. 143-162. [eBook] (Find through UK Libraries)</p> <ul style="list-style-type: none"> • Read Karetsos, S. Costopoulou, C. & Sideridis, A. (2014). [Journal Article] (Find through UK Libraries)
Fri, Oct 28		<ul style="list-style-type: none"> • In-class EXAM 2

Module 3: Impact of ICT

<u>Class Meetings</u>	<u>Topic</u>	<u>Assignments/Activities</u>
Mon, Oct 31	Business/Industry Introduce Impact Bibliography Assignment	<ul style="list-style-type: none"> • Read World Bank's 2006 Information and Communications for Development: Global Trends and Policies. Pg. 57-72. [eBook] • Read Managing in the Information Economy: Current Research Issues. Vol. 1. Pg. 385-411. [eBook] (Find through UK Libraries.)
Wed, Nov 2 Fri, Nov 4	Economy Introduce Research in ICT assignment	<ul style="list-style-type: none"> • Submit BYOQuestion • Read The Emerging Digital Economy: Entrepreneurship, Clusters, and Policy. Pg. 21-25. [eBook] (Find through UK Libraries) • Read Jin, S. & Cho, C. (2015). [Journal Article] (Find through UK Libraries) • Review ICT Strategy of the German Federal Government: Digital Germany 2015. [eBook] • Review Atkinson, R. & Stewart, L. (2013). [eBook]
Mon, Nov 7 Wed, Nov 9	Education/Learning	<ul style="list-style-type: none"> • Submit BYOQuestion • Read Assar, S., El Amrani, R. & Watson, R. (2010). [Journal Article] (Find through UK Libraries.) • Read Fredriksson, U., Jedeskog, G., & Plomp, T. (2007). [Journal Article]. (Find through UK Libraries.)
Fri, Nov 11	Digital Divide/ICT4D	<ul style="list-style-type: none"> • Submit BYOQuestion • Read Understanding Digital Culture. Pg. 95-110. (RESERVE- Fine Arts Library) • Read Broadbent, R. & Papadopoulos, T. (2013). [Journal Article] (Find through UK Libraries)

Module 4: Future of ICT

<u>Class Meetings</u>	<u>Topic</u>	<u>Assignments/Activities</u>
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Mon, Nov 14	Introduce scenarios	<ul style="list-style-type: none"> • Submit Impact Bibliography • Read <i>Scenario Planning for Libraries</i>. Pp. 3-17 and 26-33 and 79-94. (RESERVE- Fine Arts Library)
Wed, Nov 16	Scenarios	<ul style="list-style-type: none"> • In-class Scenario Thinking
Fri, Nov18	Scenarios	<ul style="list-style-type: none"> • In-class Scenario Thinking
Mon, Nov 21	Scenarios	<ul style="list-style-type: none"> • Submit Scenario Thinking Assignment
Wed, Nov 23 Fri, Nov 25	No class	
Mon, Nov 28 Wed, Nov 30	Possible Futures	<ul style="list-style-type: none"> • Submit BYOExample of Future • Read Baker, M. & Manweiler, J. (2015). [Journal Article] (Find through UK Libraries.) • Read Meet the New Wave of Wearables: Stretchable Electronics. [website] • Read Human ICT Implants: Technical, Legal, and Ethical Considerations. Pg. 1-8. (Find through UK Libraries.) [eBook]
Fri, Dec 2	Internet of Things	<ul style="list-style-type: none"> • Submit Research in ICT Assignment • Read The Internet of Things – Life will never be the same.... [website] • Read A Simple Explanation of “The Internet of Things”. [website] • Read The Internet of Things. [eReport from Center for Data Innovation]
Mon, Dec 5 Wed, Dec 7 Fri, Dec 9	Careers Review	<ul style="list-style-type: none"> • Submit BYOCareer • Submit BYOQuestion • Read Information and Communication Technologies (ICT) Sector Report. [eBook] • Read A bright future in ICT opportunities for a new generation of women. Pg. 1-3 and 16-28. [eBook] • Read Calitz, A., Greyling, J., & Cullen, M. (2011). [Conference Proceeding] (Find through UK Libraries.)
Wed, Dec 14	Final exam will be comprehensive in nature taking content from all 4 modules.	<ul style="list-style-type: none"> • In-class Final Exam 10:30-12:30