

University of Kentucky  
School of Information Science (SIS)

## ICT 150 Experience ICTs

Section 002

3:00 pm – 3:50 pm M,W,F

Classroom: LLC 311

### INSTRUCTOR INFORMATION

**Primary Instructor:** Dr. Fátima Espinoza Vásquez

**Office Hours:** M/W/F 2pm-3pm email for an appointment

**Email:** [fatima.espinoza@uky.edu](mailto:fatima.espinoza@uky.edu)

**Location:** 316 Lucille Little Fine Arts Library.

### 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 the emergence of the ICT as a discipline. They will recognize 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 Objectives

The objective of this course is for students to:

- Obtain the ability to collect, evaluate, analyze, contextualize, and communicate scientific information about ICTs and their role in society.
- Gain social science research proficiencies, so they can identify, investigate, and solve social problems using complex and holistic approaches that incorporate ICTs.
- Acquire analytic skills in order to make evidence-based personal, professional, and civic decisions.

#### Student Learning Outcomes

By the end of this course, students will understand Information and Communication Technologies (ICTs) as a discipline in the Social Sciences. We will achieve this by exploring ICTs' history, theories, applications, impact, and future through discussions, contextualizing exercises, and a research project developed in four modules. This way they will be able to evaluate, conduct, and incorporate scientific research into their personal, professional, and social lives.

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- At the end of the first module, students will be able to define and explain ICTs from contrasting theoretical perspectives. We will achieve this by reading, debating, and writing about ICT theories, and discussing social science and its ethical factors.
- At the end of the second module, students will be able to evaluate studies about ICTs by engaging in research critiques and contextualization as well as the production of a literature review and the design of a research project about ICTs in a variety of contexts, including but not limited to: Government, Business, Sustainability, Education, Social Justice, Agriculture, Arts, etc.
- At the end of the third module, students will be able to apply social science research principles to infer about ICT impact and relevance in today's society. They will achieve this by implementing their research plan and conducting data collection exercises on multiple industries, fields, and careers that use ICTs.
- By the end of the fourth module, students will be able to analyze, critique, and communicate research results through the creation of a research paper documenting findings, predicting futures, and proposing solutions.

### **Required Materials**

All readings will be listed on Canvas. Most will be available through UK's Online Journals or UK Libraries. Students are expected to do their readings before class.

### **Technology Requirements**

Students should bring an internet-ready (wi-fi enabled or cellular data connection) device such as a laptop, or tablet to class participate in lecture polls, access readings, and take exams. Students will also need to have online access or downloaded to their laptops a word processing software, Excel spread sheets, PowerPoint, and an Internet browser. Students must have access to Canvas through their UK ID to succeed in this course. Students are encouraged to download the Canvas app to their devices. Students may also need access to [Zoom](#) (which they should already have with their link blue username and password. Please note, however, that electronic devices will be used **only** during specific class activities.

## **STUDENT EVALUATION**

### **Grading Parameters**

Assignments 35% (one every week: 12, 5-10 pts each)

Papers 30% (3 including the comprehensive final)

Classroom Activities 35% (One each week 5-10 pts each, and daily attendance 1pt each day)

### **Grading Scale**

90 – 100% = A (Exceptional Achievement)

80 – 89% = B (High Achievement)

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70 – 79% = C (Average Achievement)  
 60 – 69% = D (Below Average)  
 Below 60% = E (Failing)

### **Mid-term and Final Grades**

Mid-term grades will be posted in myUK by March 4.

Final grades will be posted in myUK by May 15.

Students can and should monitor their grades on Canvas through the semester.

### **Course Structure**

This course is divided into four (4) learning modules:

- (1) Defining ICT: Here we will define ICTs and understand the various theories that explain the role of ICTs in society.
- (2) ICT in Use: Here we will look at a variety of studies that explain how ICTs are used for different activities (e.g., Education, Business, Arts, etc.)
- (3) Impact of ICT: In this module, we will study how society has changed thanks to ICTs
- (4) Future of ICT: In this module, we will study and create future scenarios about ICTs.

Successful completion of each module requires completing all module assignments. Students must also actively participate in classroom discussions, activities, and lecture polls. Assignment due dates are indicated on the daily schedule on CANVAS.

### **Assignments**

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

All assignments are due by 11:59 pm the night before the designated class.

### **Term Papers**

Students are expected to complete three (3) papers. Each paper will be used to determine comprehension of readings, discussions, and lectures, evaluation of theories, analysis of data and contextualization of ICTs. The final paper will be a comprehensive research report

that will bring together all the work done through the semester.

1. **Defining ICTs:** Students will use theories to analyze a current ICT-related phenomenon. They will be required to back up their responses by explaining and applying the theories and concepts learned in class correctly.
2. **Annotated Bibliography:** Students will select an “area of impact” to research and compile an annotated bibliography. The articles should be scholarly, present a

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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 Paper:** The final research paper will be built from the start of the semester. Attending class is imperative for the completion of the final paper. The paper will report the results of a small research project that students will develop through the semester.

### Assignments and Classroom Activities

Engaged and respectful dialogue is necessary for better comprehension we will devote time to discussion and learning activities. Students will work individually, break out into smaller groups, work with the instructor, and participate in discussions and other activities. Students with thoughtful and original contributions and frequent comments/questions/participation will receive full points.

All discussions, both in-class and online, should be respectful and intellectually stimulating. Disrespectful participation will not be tolerated. Most classroom activities will be graded, so attendance is crucial to succeeding in this class.

#### Type of Assignments

Students will submit one or more of the following type of assignments:

1. **BYO Understanding:** Students should bring in their own definitions. The descriptions should be based only on current knowledge. Does not require reading course materials yet. Definitions are also needed to be submitted through Canvas before the start of class.
2. **BYO Current Event:** Students will work in teams to create a short educational video in which they will use the theories learned in class to discuss a contemporary issue and its relevance to the topic assigned their team.
3. **BYO Example 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 example to the class. Students should submit their example and source in Canvas before the start of class.
4. **BYO Question:** Students should bring a thought-provoking question or possible test question (instructor will identify question type) related to the daily topic, assigned reading, or the speaker. (This will happen frequently.)
5. **ICT Observation:** Students should observe and record when, where, how, and why they use ICT and 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 the ethics of inquiry and then generate a list of ethical concerns related to this observation assignment.

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## Type of Classroom Activities.

We will engage in one or more of the following activities:

1. **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 a statement supporting one side of the debate to Canvas before the start of class. The statement should include reference to an assigned reading or any other scholarly article. (For other scholarly articles, please supply citation.)
2. **Visualizing Experiences:** Students will create an infographic explaining a situation following the design principles learned in class
3. **Observation Presentation/Discussion:** Students will bring their findings from the ICT Observation assignment to the 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. **Reading Assessments:** During the semester students will participate in exercises about the readings and lectures. They might be polls, BYOQuestions, quizzes, or mini reflections. They are designed to encourage students to complete reading assignments and actively participate in the classroom.
5. **Scenario Thinking Assignment:** Students should write a 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 the focal question, ICT, and the fundamental forces; and it should contain realistic characters.
6. **Mini-Workshops:** Students will build their final Research Paper through several in-class workshops and incorporate the other two course papers.

Most of these activities will be completed and discussed in class. Students should bring a wi-fi enabled device (like a tablet, laptop, etc.) to class to fully participate. The instructor might implement new types of assignments and activities according to student interests and needs.

## Assignments Format and Submission

- 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\_DefiningICTs ICT150."
- 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. I recommend using the UK Writing Center <https://uky.mywconline.com>
- All assignments and instructions will be available on Canvas.

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- Students should submit their assignments on Canvas by the designated deadline clearly indicated on Canvas.

### 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 **regularly and often** for class updates or additional information. All announcements and information about the class will be posted there.

## GENERAL COURSE POLICIES

### Attendance

This is a face-to-face class course; therefore; regular attendance to class is **essential** to succeed in this course. In-class exercises and attendance are 35% of the course grade. Attendance is graded, each day of class students will earn a point. However, five or more unexcused absences will result in a zero in attendance. Missing class may result in missed additional 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 before 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 a 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 before such absence. Students anticipating absence due to a religious holiday are responsible for notifying the instructor in writing no later than the last day in to add classes. Notifying your instructor two weeks before the absence is considered reasonable. Information regarding major religious holidays may be obtained through the Ombud (859-257-3737, [http://www.uky.edu/Ombud/ForStudents\\_ExcusedAbsences.php](http://www.uky.edu/Ombud/ForStudents_ExcusedAbsences.php)).

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Students are also responsible for discussing with the instructor ways in which they will make up for missed activities.

In situations where a student's total EXCUSED absences exceed 1/5 (or 20%) of the class periods scheduled for the semester, students are strongly encouraged to withdraw (take a "W") from the class as per university policy. If a student has excused absences in excess of one-fifth of the class contact hours for that course, the student shall have the right to receive a 'W', or the Instructor of Record may award an 'I' for the course if the student declines to receive a 'W.'

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 student will have 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**

Acceptable verification of 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.

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.

### **Late Work**

Late work will only be accepted for assignments and needs to be negotiated with the instructor. Late work submitted within 24 hours will receive a 20% penalty. Late work submitted within 48 hours will receive a 30% penalty, and late work received before 72 hours will receive 40% off. No late work is accepted after three days. Classroom activities will not be accepted late if it is due to an unexcused missed class.

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## Plagiarism and 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.

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

### **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. 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 her in person after class.

Please adhere to the following rules when sending an email.

<u>Always</u>	<u>Example</u>
Include the class code and a description of the email topic in the subject line.	Subject: ICT150 Team project question
Include an appropriate salutation. Begin with a greeting and address your professor by her appropriate title and last name.	Good afternoon, Professor Espinoza, Or Hello, Dr. Espinoza
Include an appropriate signature with your full name, class code, and section	Jane Doe IST150 Section 001
Use standard punctuation, capitalization, spelling, and grammar.	Instead of writing "idk what 2 rite about in my paper can you help??" try something like, "I am writing to ask about the topics you discussed in class yesterday."

### **Office Hours**

I will be available to speak with you in my office, 316 Little Library, during office hours by appointment. Please email me to make an appointment. Appointments should be made at least one day in advance.

### **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**

There is a librarian specialized in ICTs. Her name is Stacey Greenwell, her phone number is 218-1322, and her email is [stacey@uky.edu](mailto:stacey@uky.edu). I encourage you to contact her for help finding the resources for this class.

Also, 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.

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Please feel free to visit, call (859-218-2048), e-mail ([refdesk@uky.edu](mailto:refdesk@uky.edu)), or chat (<http://libraries.uky.edu/libchat.html>) with them, unless your assignment requests that you do not seek their assistance. See the Libraries' Homepage for more information.

### **Non-Discrimination Statement and Title IX Information (optional)**

*The University of Kentucky faculty are committed to supporting students and upholding the University's non-discrimination policy.*

*Discrimination is prohibited at UK. If you experience an incident of discrimination we encourage you to report it to Institutional Equity & Equal Opportunity (IEEO) Office, 13 Main Building, (859) 257-8927.*

#### *Acts of Sex- and Gender-Based Discrimination or Interpersonal Violence*

*If you experience an incident of sex- or gender-based discrimination or interpersonal violence, we encourage you to report it. While you may talk to a faculty member or TA/RA/GA, understand that as a "Responsible Employee" of the University these individuals MUST report any acts of violence (including verbal bullying and sexual harassment) to the University's Title IX Coordinator in the IEEO Office. If you would like to speak with someone who may be able to afford you confidentiality, the Violence Intervention and Prevention (VIP) program (Frazee Hall – Lower Level; <http://www.uky.edu/StudentAffairs/VIPCenter/>), the Counseling Center (106 Frazee Hall, <http://www.uky.edu/StudentAffairs/Counseling/>), and the University Health Services (<http://ukhealthcare.uky.edu/uhs/student-health/>) are confidential resources on campus.*

### **Academic Ombud**

Dr. Joe McGillis, 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](mailto:ombud@uky.edu).

### **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](mailto:drc@uky.edu). Their web address is <http://www.uky.edu/DisabilityResourceCenter>.

### **Sustainability Statement**

This is a sustainable classroom. Here your instructors aim

- (1) to create the healthiest, most collaborative and innovative learning environments possible,

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- (2) to reduce your costs and improve your intellectual development through thoughtful resource conservation and waste reduction,
- (3) to foster a culture of involvement in sustainability through education and engagement, and
- (4) to enable UK students, faculty, our campus, and our Commonwealth to become more sustainable through the use of University resources.

Sustainability starts with you taking care of yourself so that you can be at your best in this class. Do the readings and homework assignments. Come to class. Join in the discussion. Get enough sleep, water, and food, beforehand. If you are facing challenges securing classroom materials, food, or housing, and this is affecting your performance in class, please contact the Dean of Students, Nicholas Kehrwald, at [nkehrwald@uky.edu](mailto:nkehrwald@uky.edu) or 859-257-3754. Furthermore, please notify your instructor if you are comfortable doing so. This will enable her to provide any resources that she may possess.

### University Policies

University 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>

### 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.

### TENTATIVE TOPICS AND SCHEDULE

Week	Topic
1	Introductions and Syllabus
2	What are ICTs?
	ICTs as a Social Science and Research Ethics
3	Information Society and Network Society
	Technological Determinism and Social Construction of Technology
4	Consultation

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	Doing a Literature Review
5	Business and Industry
	ICT4D/Digital Divide/Equal Access
6	Politics, Government, and Civic Participation
	Agriculture
7	Social Justice, Sustainability, and Accessibility
	Education and Learning
8	Art and the Humanities
	Healthcare
9	Consultation
	Doing Research
10	Theories related to ICT adoption and use. Part I
	Introduction to Theories related to ICT adoption and use. Part II
11	Impact on the Environment and Sustainability
	Impact on the Economy
12	Impact on Social Relations
	Research Project Management
13	Qualitative Data
	Quantitative Data
	<b>MODULE 4: FUTURE</b>
14	Challenges of research
	Thanksgiving Break
15	Possible Futures: Wearables and Implants
	Possible Futures: Internet of Things and Artificial Intelligence
16	Career Planning
	Submit final assignment
17	Submit final assignment

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