

University of Kentucky
School of Information Science (SIS)

[ICT 410][Privacy]
[Spring 2016/2016]
[January 13, 2016 – May 6, 2016]

Instructor

Sherali Zeadally
Associate Professor
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Preferred method of contact: Email

Office Hours

- Tuesdays: 10.00 AM to 12:30 PM
Thursdays: 10.00 AM to 12:30 PM
- How to contact me for an appointment:
Email
- Maximum time frame for response:
Will respond as soon as possible
Maximum: 12 hours any day of the week including weekends
- Office Hours:
I am available anytime by email. I am also available in the office anytime if a prior arrangement is made

Class Information

- Lectures [LCLI 312]
Tuesdays: 3:30 PM – 4:45 PM
Thursdays: 3:30 PM – 4:45 PM

COURSE INFORMATION

Course Description

ICT 410 – Privacy

As new information and communication technologies are developed, they increasingly raise concerns about the collection, use, storage, and sharing of personally identifiable information. This course provides an overview of privacy, privacy laws, privacy-related technologies, and self-regulatory efforts to mitigate potential privacy risks. The study of privacy will be approached from philosophical, historical, legal, policy, and technical perspectives.

Course Overview

- Provide a basic understanding of the fundamental concepts of privacy
- Analyze recent data trends and their impact on privacy and privacy tradeoffs
- Discuss some of the privacy challenges society faces today
- Describe tools for protecting privacy: personal, policy and technology
- Discuss privacy challenges and solutions in various areas including health care, cloud, mobile devices, etc.
- Discuss regulation and laws relevant to privacy in the US and the European Union
- Discuss individual privacy issues, law enforcement, and national security

Required Textbook

- Data and Goliath by B. Schneier, W. W. Norton & Company, Inc., ISBN: 978-0-393-24481-6, 2015.

Lecture notes will be provided to all students on a weekly basis throughout the semester. They will be posted on Blackboard.

Relevant reference textbooks

- Engaging Privacy and Information Technology in a Digital Age by the National Research Council of the National Academies, ISBN 978-0-309-10392-3, 2007.
- Cyberethics – Morality and Law in Cyberspace by Richard Spinello, Jones and Bartlett Publishers, 3rd edition, ISBN 978-0-7637-3783-2, 2006.
- Several IEEE/ACM peer-reviewed articles.

STUDENT EVALUATION

Grading

| <u>Assignments, Quizzes, and Projects</u> | <u>Points</u> |
|--|----------------------|
| In-class assignment | 4% |
| In-class presentation | 10% |
| Quiz 1 | 13% |
| Project 1 | 30% |
| Quiz 2 | 13% |
| Project 2 | 30% |

Late Work

Late work will **NOT** be accepted. Any work submitted after the deadline will receive **ZERO** points. Late work will only be accepted if it has been pre-approved by the instructor (at least 72 hours notice).

Grading Scale

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

Absences/Attendance

The instructor's policies on academic integrity, excused absences, incompletes, accommodations due to disability are described in the general course policies of SLIS described at <https://ci.uky.edu/sis/sites/default/files/policies.pdf>

Submission of Course Assignments

- All assignments and project reports must be submitted **electronically**.
- All times specified for submission deadlines are Eastern Standard Time (EST).
- All submitted work must be **typed** [12 point, Time Roman, single line spacing, 1 inch margins] using **Microsoft WORD (.doc, .docx, .rtf)** and be thoroughly spellchecked and free of grammatical mistakes.
- All files submitted must have the following text "**firstname_lastname<day-month submitted>**" as part of the filename.

- All sources used during the preparation of all submitted works must be clearly identified in a separate list of ordered [e.g., [1], [2], [3], etc.] references (in a **Reference** section placed after the main document). These references must be cited within the text of the submission where appropriate.

Group Work and Collaboration

All assignments should be undertaken individually. For projects requiring group work, detailed instructions will be outlined in the project description. When group work is performed, each member of the group must state his/her contributions very clearly and all members of the group must agree on each member's contributions before the start of the project and inform the instructor (in writing) about the expected efforts of each member of the group.

Student Behavior

All students must arrive to class on time and stay for the entire duration of the lecture. We will maintain a respectful and pleasant classroom environment. To achieve this, all students must put away all their electronic devices once in the classroom. Side conversations should not occur. Students who do not adhere to this code of conduct in the classroom and engage in disruptive behavior may be asked to leave the class for the remainder of the lecture period. If there is any issue about the classroom you want to discuss with me, please let me know after the lecture.

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 Tony Dotson, 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 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:
<https://iweb.uky.edu/MSDownload/>.

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 number: (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

Course Reserves

<http://libraries.uky.edu/YLReserves>

GENERAL COURSE POLICIES

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>

COURSE CALENDAR

All lectures slides will be posted on Blackboard.

Tentative topics to be covered in this course include:

| Week | Topic |
|------|--|
| 1 | Introduction to privacy concepts, Philosophical Privacy Theories |
| 2 | |
| 3 | Data trends and their impact on privacy |
| 4 | Privacy and Surveillance |
| 5 | Tools for protecting privacy: personal, policy, and technology |
| 6 | |
| 7 | Privacy and various sectors (e.g., finance, retail businesses, etc.) |
| 8 | |
| 9 | Privacy in health care, social networks |
| 10 | <i>Spring break !!</i> |
| 11 | Privacy in cloud, mobile devices |
| 12 | Consumer privacy on the Internet, the right to Privacy in a digital world |
| 13 | US Federal laws related to privacy, 1 st , 4 th , 9 th Amendments, Executive Order, Presidential Directives, Freedom of Information |
| 14 | Privacy perspective outside the US with a focus on the European Union (EU) |
| 15 | Information Communication Technology, Privacy, Law Enforcement |
| 16 | Individual Privacy, Law Enforcement, National Security |

NOTE: Please contact me as early as possible to make the appropriate arrangements in case you cannot take the quizzes or exams on the dates specified above.

Lecture notes cover important materials that need a thorough understanding by the students. Projects are intended to reinforce the material being taught and will often require external sources to be consulted.

COURSE ASSIGNMENTS

| Assignments and Projects | Due Dates |
|--------------------------|-------------------|
| In-class assignment | January 14, 2016 |
| Paper Presentation | Every lecture |
| Quiz 1 | February 9, 2016 |
| Project 1 | February 23, 2016 |
| Quiz 2 | April 14, 2016 |
| Project 2 | April 19, 2016 |

As mentioned earlier in the syllabus, all assignments and project reports must be submitted electronically by the date and time due.

NOTE: This syllabus may be changed at any time at the discretion of the instructor.