

THE UNIVERSITY OF TEXAS AT TYLER
DEPARTMENT OF COMPUTER SCIENCE
COSC 3315 - Social and Professional Issues in Computing
Spring 2020

Instructor Information:

J. Howard Baker MAcc (USC), Ph.D. (U.T. Arlington)
Senior Lecturer, Computer Science
Computer Science Office: Suite COB 315.06

Office Hours:

One hour before class, immediately after class, or by appointment Monday or Wednesday via email.

Communication: Canvas email or professor's UTT email: hbaker@uttyler.edu

Lecture: Monday and Wednesday 2:30 p.m. to 3:50 p.m. in Soules College of Business 00211.
(The class will attend one lecture day a week.)

Texts: *The Future of Feeling: Building Empathy in a Tech-Obsessed World*, by Kaitlin Ugolik Phillips, Publisher: Little A (February 1, 2020), ISBN-13: 9781542041843 (hardcover), ISBN-10: 1542041848 (hardcover), ISBN-13: 9781542041850 (paperback), ISBN-10: 1542041856 (paperback), Kindle eBook edition is available February 1, 2020.

OPTIONAL: *Introduction to IT Privacy: A Handbook for Technologists*, Travis Breaux (Editor), International Association of Privacy Professionals (IAPP), 2014, ISBN: 978-0-9885525-5-5 (Kindle eBook edition is available)

Course Description:

Introduction to the social and professional issues that arise in the context of computing.

Course Objectives:

This course introduces key ideas and terms in moral theory and professionalism to explore computer ethics. The course emphasizes that computing is not a purely technical discipline but one with moral and social implications that affect everyday life. Lectures will cover many current topics such as the ACM Code of Ethics and Professional Conduct, and elements of the Certified Information Privacy Technologist (CIPT) credential of the International Association of Privacy Professionals (IAPP). The CIPT is the first global privacy certification for IT practitioners. The IAPP offers a discounted annual student membership of \$50. Their web address is <https://iapp.org/>.

Prerequisite:

COSC 1337 or COSC 1437 - Object Oriented Paradigm. The student is expected to have taken a foundational course in college-level composition and have a working knowledge of Microsoft Word and PowerPoint.

Class Conduct:

While attending a lecture or discussion, you are asked to focus on the lecture or discussion and not on other things such as surfing the Internet. Various students may be called on to lead class discussions. Do not hold private conversations, work on assignments for other classes, or check personal email during class. Turn off your cell phone or place it on vibrate with the professor's permission. You may use your laptop in class to take an exam.

A Statement on Course Etiquette:

When sending email or posting online, your posts and comments should always be **professional**, and you should always be **courteous** toward other students and the professor. Personal issues and general comments about the class should be emailed privately to the professor. To email the professor directly, use Canvas email or the professor's UT Tyler email address at the top of this syllabus. During discussions, respect the opinions of others.

Late Assignments:

No late work will be accepted without a valid excuse. The professor reserves the right to determine if an excuse is valid. Typically, valid excuses will involve an official university function, sickness, a documented family emergency, a documented religious observance, or a funeral. If possible, email the professor ahead of time if you will be missing class. All work and assignments must be completed by the last regular day of class.

Grading:

All questions regarding grades must be settled by the last day of class. **All semester grades are final. Do not beg for more points or extra credit.** Plagiarism and the copying of other student's work, intentionally or unintentionally, may result in a zero grade for the assignment.

Grades will be determined as follows:

Midterm Exam covering On-Campus Lectures (in class via Canvas)	200
On-Campus Textbook Discussion attendance/participation (8 @ 20 each day)	160
Robots and Ethics Online Discussion	40
Facial Recognition Research Paper	100
Off-campus quizzes - online, open book (10@20 each)	200
Privacy Final Exam (including vocabulary, in class via Canvas, 1 hour long)	300

Semester Percent	Grade
90-100	A
80-89.99	B
70-79.99	C
60-69.99	D
<60	F

NOTE: There will be no extra credit.

Course Policies:

Exams and Quizzes:

A midterm exam will cover the in-class lectures. A final exam covering the off-campus privacy lectures will be administered. Both exams are designed to measure the student's knowledge of the material as well as their ability to use this knowledge **in an efficient manner**. The midterm exam will have a strict time limit. Exams are taken via Canvas **in class**. Examinations may consist of multiple-choice questions, true/false questions, discussion questions, or matching. There are 10 quizzes taken via Canvas at the end of the off-campus video lectures. There may be multiple versions of exams or quizzes selected from the professor's test bank.

Assignments: All off campus assignments are to be completed and submitted via Canvas.

Attendance and Class Participation:

Attendance is required for all on-campus lectures. Video off-campus lectures, and the two regular exams are via Canvas. The attendance quizzes count 20% toward your final grade. However, excellent attendance will be rewarded at the end of the semester by increasing the semester percent grade by .5% if it will raise the final letter grade! (Example: 89.5% will become 90%) Not completing the quiz during class will result in an absence being recorded. If you need to leave class early, or have a documented valid excuse, inform the professor so you can take the quiz later and get credit for the quiz. Also, official absences should be arranged ahead of time to permit taking the quiz at an agreed upon time. **Students may be called on by the professor at any time during class.**

Make-up Exams:

Makeup exams and quizzes will be granted at the discretion of the instructor. Makeups will be given only for **approved** absences. The makeup exam or quiz may be different from the exam given during the regular class time. Except for extreme emergencies, requests for a make-up exam must be made **PRIOR** to the regular exam time and may require written documentation regarding the student's absence, such as a doctor's excuse.

Assignment Policy:

All assignments are due on the specified date and time shown in Canvas. All assignments must be individually and independently completed and must represent the effort of the student turning in the assignment. Should two or more students turn in substantially the same solution (evidence of copying in the judgment of the instructor), the solution will be considered a group effort. Both or all involved in a group homework effort will receive a zero.

Course Registration:

Students must register for this class as soon as possible to be assured of enrollment. Joining the class late will require makeup of all work within **one week** of joining the class.

Withdrawals:

Students must officially withdraw from this class; otherwise they will receive an "F" for the course.

University policies:**UT Tyler Honor Code**

Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

Students Rights and Responsibilities

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: <http://www.uttyler.edu/wellness/rightsresponsibilities.php>

Campus Carry

We respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>

UT Tyler a Tobacco-Free University

All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors. Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products. There are several cessation programs available to students looking to quit smoking, including counseling, quitlines, and group support. For more information on cessation programs please visit www.uttyler.edu/tobacco-free.

Grade Replacement/Forgiveness and Census Date Policies

Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

The Census Date is the deadline for many forms and enrollment actions of which students need to be aware. These include:

- Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
- Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)
- Being reinstated or re-enrolled in classes after being dropped for non-payment
- Completing the process for tuition exemptions or waivers through Financial Aid

State-Mandated Course Drop Policy

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

Disability/Accessibility Services

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University of Texas at Tyler offers accommodations to students with learning, physical and/or psychological disabilities.

If you have a disability, including a non-visible diagnosis such as a learning disorder, chronic illness, TBI, PTSD, ADHD, or you have a history of modifications or accommodations in a previous educational environment, you are encouraged to visit <https://hood.accessiblelearning.com/UTTyler> and fill out the New Student application. The Student Accessibility and Resources (SAR) office will contact you when your application has been submitted and an appointment with Cynthia Lowery, Assistant Director of Student Services/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at <http://www.uttyler.edu/disabilityservices>, the SAR office located in the University Center, # 3150 or call 903.566.7079.

Student Absence due to Religious Observance

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second on-campus class meeting of the semester.

Student Absence for University-Sponsored Events and Activities (Revised 01/18)

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

Emergency Exits and Evacuation

Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

Student Standards of Academic Conduct

Disciplinary proceedings may be initiated against any student who engages in scholastic dishonesty, including, but not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

i. "Cheating" includes, but is not limited to:

- copying from another student's test paper;
- using, during a test, materials not authorized by the person giving the test;
- failure to comply with instructions given by the person administering the test;
- possession during a test of materials which are not authorized by the person giving the test, such as class notes or specifically designed "crib notes". The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test;
- using, buying, stealing, transporting, or soliciting in whole or part the contents of an unadministered test, test key, homework solution, or computer program;
- collaborating with or seeking aid from another student during a test or other assignment without authority;
- discussing the contents of an examination with another student who will take the examination;
- divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructor has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student;
- substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;
- paying or offering money or other valuable thing to, or coercing another person to obtain an unadministered test, test key, homework solution, or computer program or information about an unadministered test, test key, home solution or computer program;
- falsifying research data, laboratory reports, and/or other academic work offered for credit;

- taking, keeping, misplacing, or damaging the property of The University of Texas at Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct; and
 - misrepresenting facts, including providing false grades or resumes, for the purpose of obtaining an academic or financial benefit or injuring another student academically or financially.
- ii. "Plagiarism" includes, but is not limited to, the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the submission of it as one's own academic work offered for credit.
- iii. "Collusion" includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty.
- iv. All written work that is submitted will be subject to review by plagiarism software.

UT Tyler Resources for Students

- UT Tyler Writing Center (903.565.5995), writingcenter@uttyler.edu
- UT Tyler Tutoring Center (903.565.5964), tutoring@uttyler.edu
- The Mathematics Learning Center, RBN 4021, this is the open access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses.
- UT Tyler Counseling Center (903.566.7254)

Evaluation Method: (only items in dark print apply)	
1. Examination and Quizzes	2. Homework
3. Paper	4. Computer Program
5. Projects	6. Presentation
7. Class Attendance/Discussion	8. Peer Review

Course Objectives: By the end of this course students should be able to:	
1.	Describe the basic components of ethical reasoning [1, 2, 7]
2.	Consider what ethical decisions you would make throughout the various scenarios [1, 2, 7]
3.	Describe the basic principles of significant moral theories [1, 2, 7]
4.	Explain how theorists define the constituents of a profession [1, 2, 7]
5.	Explain what defines a professional [1, 2, 7]
6.	Explain how advances in technology call for new privacy protection laws [1, 2, 7]
7.	Explain how the Internet has affected intellectual property laws [1, 2, 7]
8.	Describe best practices on how to help prevent computer failures [1, 2, 7]
9.	Explain how social networking sites and online games have the potential to change an individual's self-concept from a single 'true' self to multiple explicit personas [1, 2, 7]
10.	Explain how current free speech laws are interpreted when applied to recent methods of expression [1, 2, 7]
11.	Describe how the arguments of theorists are applied to protect vulnerable members of society [1, 2, 7]
12.	Explain what it means for a technology to be pervasive, and for it to be autonomous [1, 2, 3,7]

****Tentative class schedule:**

Week #	Month	Day	Off Campus Activity Before Class	In Class Activity
Week 1 (Monday)	JAN	13		Discuss any student special accommodations – Review Syllabus - Create Group A & Group B
(Wednesday)		15	Group B Assignment 01 Video Lecture 01 Off-campus Quiz 01	Group A seat selection Lecture # 1 – Introduction to Ethical Thinking and the Ethical Brain
Week 2 (Monday)		20	No Class	MLK Day
(Wednesday)		22	Group A Assignment 01 Privacy Video Lecture 01 Off-campus Quiz 01	Group B seat selection Lecture # 1 – Introduction to Ethical Thinking and the Ethical Brain
Week 3 (Monday)		27	Group B Assignment 02 Privacy Video Lecture 02 Off-campus Quiz 02	Group A Lecture # 2 – Virtue Ethics, Situationism, EQ and Empathy
(Wednesday)		29	Group A Assignment 02 Privacy Video Lecture 02 Off-campus Quiz 02	Group B Lecture # 2 – Virtue Ethics, Situationism, EQ and Empathy
Week 4 (Monday)	FEB	3	Group B Assignment 03 Privacy Video Lecture 03 Off-campus Quiz 03	Group A Lecture # 3 – Introduction to the ACM Code of Ethics and Professional Conduct
(Wednesday)		5	Group A Assignment 03 Privacy Video Lecture 03 Off-campus Quiz 03	Group B Lecture # 3 – Introduction to the ACM Code of Ethics and Professional Conduct
Week 5 (Monday)		10	Group B Assignment 04 Privacy Video Lecture 04 Off-campus Quiz 04	Group A Lecture # 4 – Intellectual and Intangible Property
(Wednesday)		12	Group A Assignment 04 Privacy Video Lecture 04 Off-campus Quiz 04	Group B Lecture # 4 – Intellectual and Intangible Property
Week 6 (Monday)		17	Study for exam	<i>Group A</i> Lecture Midterm Exam – in class via Canvas
(Wednesday)		19	Study for exam	<i>Group B</i> Lecture Midterm Exam – Exam – in class via Canvas
Week 7 (Monday)		24	Group B Assignment 05 Privacy Video Lecture 05 Off-campus Quiz 05	Group A Textbook Introduction & Chapter 1 Class Discussion
(Wednesday)		26	Group A Assignment 05 Privacy Video Lecture 05 Off-campus Quiz 05	Group B Textbook Introduction & Chapter 1 Class Discussion
Week 8 (Monday)	MAR	2	Group B Assignment 06 Privacy Video Lecture 06 Off-campus Quiz 06	Group A Textbook Chapter 2 Class Discussion
(Wednesday)		4	Group A Assignment 06 Privacy Video Lecture 06 Off-campus Quiz 06	Group B Textbook Chapter 2 Class Discussion
Week 9 (Monday)		9	NO CLASS – SPRING BREAK	No class meeting on campus today
(Wednesday)		11	NO CLASS – SPRING BREAK	No class meeting on campus today
Week 10 (Monday)		16	Group B Assignment 07 Robots and Ethics Reading & online Discussion & Off-campus Quiz 07	Group A Textbook Chapter 3 & 4 Class Discussion
(Wednesday)		18	Group A Assignment 07 Robots and Ethics Reading & online Discussion	Group B Textbook Chapter 3 & 4 Class Discussion

Week 11 (Monday)		23	Group B Assignment 08 Privacy Video Lecture 07 Off-campus Quiz 08	Group A Textbook Chapter 5 Class Discussion
(Wednesday)		25	Group A Assignment 08 Privacy Video Lecture 07 Off-campus Quiz 08	Group B Textbook Chapter 5 Class Discussion
Week 12 (Monday)		30	Group B Assignment 09 Privacy Video Lecture 08 Off-campus Quiz 09	Group A Textbook Chapter 6 Class Discussion
(Wednesday)	APR	1	Group A Assignment 09 Privacy Video Lecture 08 Off-campus Quiz 09	Group B Textbook Chapter 6 Class Discussion
Week 13 (Monday)		6	Group B Assignment 10 Privacy Video Lecture 09 Off-campus Quiz 10	Group A Textbook Chapter 7 Class Discussion
(Wednesday)		8	Group A Assignment 10 Privacy Video Lecture 09 Off-campus Quiz 10	Group B Textbook Chapter 7 Class Discussion
Week 14 (Monday)		13	Watch Facial Recognition Video, Work on Facial Recognition Research Paper	No On-Campus meeting
(Wednesday)		15	Submit paper on Facial Recognition & Take Class Feedback Survey	No On-Campus meeting
Week 15 (Monday)		20	Study for Final Exam	Group A Textbook Chapter 8 & Epilogue Class Discussion
(Wednesday)		22	Study for Final Exam	Group B Textbook Chapter 8 & Epilogue Class Discussion
(Monday)		27	Campus wide study day	No class today
Week 16 (Wednesday)		29		Privacy Final Exam on campus via Canvas – two sittings of 1 hour each

**If a class is cancelled due to bad weather or professor illness, it will be rescheduled and covered at a later day.