

COURSE OBJECTIVES

You will study various topics related to the ethical and social impact of computing technology and the responsibilities that engineers and computer scientists have in shaping this technology and its applications. More specifically, you will explore contemporary issues such as privacy, freedom of speech, intellectual property, crime, safety, human needs, and career planning. You will enhance your written and oral communications skills by writing essays and giving talks on specific examples of these issues.

STUDENT LEARNING OUTCOMES – By the end of the course, you will have demonstrated the following.

1. Knowledge of the principles of ethics and professional ethics and how they guide the practice of computer engineering, computer science, and software engineering.
2. Understanding of social and career issues that stem from applications of computing technology.
3. Ability to write and speak informatively on these issues.

INSTRUCTOR

Bill Carroll, Professor, Computer Science and Engineering
Office: ERB 521 Office Hours: M 11 AM – 12 PM, W 2 – 4 PM, Th 4 – 5 PM, or by appt.
Phone: 817-272-3787 Email: carroll@uta.edu
Course web-site: <http://crystal.uta.edu/~carroll/cse3316>

TIME AND PLACE – Section 001 – TuTh 11:00 am to 12:20 PM, room WH 208

PREREQUISITES – COMS 3302, IE 3312, (co-requisite) CSE 3310

TEXTBOOK – Sara Baase, *A Gift of Fire, 4th Edition*, Prentice Hall, 2013.

SUPPLEMENTAL READING (on 3-hour reserve in the S&E Library)

Professional Practices in Computer Science, Vols 1, 2, and 3, Pearson Learning Solutions, 2010.

HANDOUTS – will be placed on the course web-site

GRADING

A: 100-90, B: 89-80, C: 79-70, D: 69-60, F: 59-0 with points computed as follows.

0.30*MidTermExam + 0.30*FinalExam + 0.25*Assignments + 0.15*PopQuizzes&ClassParticipation. Students not completing one or more of these requirements may receive an incomplete grade (X) in the course.

EXAMINATIONS

There will be two examinations including the final examination. See the lecture schedule for the dates. Examinations will be closed book, closed notes and the final examination will be comprehensive.

ASSIGNMENTS

Assignments will be scheduled throughout the semester and will generally have research, writing, and/or oral presentation components. Late assignments will generally not be accepted.

POP QUIZZES

Pop quizzes will be given at various times during the semester to gauge your understanding of the lecture and reading materials.

ACTIVE LEARNING

Active learning exercises will be performed in class on a regular basis to help you better understand the topics being covered in the course. These exercises will typically be done in small groups. All students are expected to participate.

GUEST SPEAKERS

Several speakers from industry and/or government agencies will be scheduled throughout the semester. Please see the lecture schedule for details.

POLICIES

1. **Academic honesty** – The College of Engineering takes academic honesty and ethical behavior very seriously. Engineers are entrusted with the safety, health, and well-being of the public. Students found guilty of academic dishonesty will be punished to the full extent permitted by the rules and regulations of UT Arlington.

Students are expected to pursue their academic careers with honesty and integrity. Academic dishonesty includes, but is not limited to, cheating on a test or other course work, plagiarism (offering the work of another as one's own) and unauthorized collaboration with another person. Students found responsible for dishonesty in their academic pursuits are subject to penalties that may range from disciplinary probation to suspension or expulsion from the University.

In accordance with the Rules and Regulations of the Board of Regents of The University of Texas System (Rule 50101), institutional procedures regarding allegations of academic dishonesty are outlined in Part Two, Chapter 2, of the UT Arlington Handbook of Operating Procedures. This information may be obtained by accessing the Student Judicial Affairs Web site at www.uta.edu/studentaffairs/conduct/

2. **Attendance** – You are expected to attend class and attendance will be checked on a regular basis. Those with excessive absences will have their final average reduced by ten points before their final letter grade is assigned.
3. **Accommodations** – Should you require accommodation based on disability, please see me in the privacy of my office as soon as possible but no later than January 23, 2013 to make appropriate arrangements. You must bring supporting documentation to the meeting.
4. **Electronic communication** – The University of Texas at Arlington has adopted the University "MavMail" address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account. Students are

responsible for checking their MavMail regularly. Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>.

5. **Grade appeals** – Should you have a concern about the grade you received on an assignment or exam, you may submit a re-grading request to the instructor or TA in writing within two class days from the day the assignment or exam was returned. Appeal of the final course grade should follow the established UT Arlington policy which begins with a written appeal to the course instructor of record. You can learn more about grade appeals and other academic regulations at http://www.uta.edu/catalog/content/general/academic_regulations.aspx#17.
6. **Make-up work** – Late homework will not be accepted and cannot be made up. Make up of missed examinations and laboratory assignments will be handled case-by-case and, generally, be approved only if sufficient justification can be made and documented. Requests for make-up must be made to the instructor within one week of the missed work's due date.
7. **Preparation for class** – You are expected to read the appropriate sections of the textbook and supplemental material prior to each class and/or lab session.
8. **Student feedback** – You will be asked to complete an online Student Feedback Survey (SFS) about the course and how it was taught. Instructions on how to access the SFS system will be sent to you through MavMail approximately ten days before the end of the term. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback data is required by state law; your participation in the SFS program is voluntary.
9. **Student support services** – UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their studies. These resources include tutoring, personal counseling, and federally funded programs. For individualized referrals to resources, students may contact the Maverick Resource Hotline at 817-272-6107 or visit www.uta.edu/resources for more information. Engineering Student Services, 242 Nedderman Hall, is another resource for guidance on academic and career questions.
10. **Cell phones and wireless devices** – Please refrain from using during class times.