## Instructor Information

### Instructor: Ronald E. Cross

### Office Number: ERB 549

### Office Telephone Number: (817) 272-1728

### Email Address: [recross@uta.edu](mailto:recross@uta.edu)

**Faculty Profile:** https://mentis.uta.edu/public/#profile/profile/edit/id/16499/category/1

### Office Hours: M/W from 11:00am to 12:45pm

## Course Information

### Section Information: CSE 4314 Sections 002/003/004

### Time and Place of Class Meetings:

CSE4314-002: WH208 Time: 9:30am to 10:50am Modality: Face-to-Face

CSE4314-003: WH208 11:00am to 12:20pm Face-to-Face

CSE4314-004: NH111 2:00pm to 3:20pm Face-to-Face

Note: The University as put out a directive that the first 2 weeks of class through 9/8 will be 50% F-2-F and 50% on-line. An email has been sent to enrolled students in each of the classes above detailing which day they will be F2F and which day they will be online.

Echo 360 will be used to record lectures, but this does not lessen the fact that Attendance is required in this course. See attendance below to fully understand the ramifications of missing class and how it will affect your final grade.

Note: Zoom.US may also be used, students should have app downloaded onto their computer.

### Description of Course Content

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 completing assignments on these and other 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 in a professional environment.
4. Knowledge of the principles of ethics and professional ethics and how they guide the practice of computer engineering, computer science, and software engineering.
5. Understanding of social and career issues that stem from applications of computing technology.
6. Ability to write and speak informatively on these issues in a professional environment.

### Required Textbooks and Other Course Materials

### A Gift of Fire, 5th Edition by Sara Baase & Timothy M. Henry

### Descriptions of major assignments and examinations

**EXAMINATIONS:** There will be two non-comprehensive exams (Exam #1 & Exam #2) given during this semester. An optional comprehensive final examination may be taken in lieu of Exam #2. This comprehensive final may be used to count as your two regular exam scores. If you choose to take the comprehensive exam, it’s score will replace both of your regular exams no matter if it is higher or lower. See the lecture schedule for the dates. Examinations will be closed book and closed notes. Any class lectures, discussions, guest speaker presentation, Special Videos, Professor’s Favorite Quotes, and handouts in class or on Canvas are testable content of this class – this includes the Syllabus. No make-up exams will be given without legitimate documented, critical, and unavoidable reasons.

**ASSIGNMENTS:** Assignments will be scheduled throughout the semester and will generally have research, writing, and/or oral presentation components. There are 5 Assignments in this class. There are no team assignments, all assignments are individual assignments which is different from the previous semester. See assignment instructions for grading rubric. Please see the class schedule for the respective due dates. Late submittals will not be accepted without documented critical and unavoidable reasons.

* The student, when not following the MLA style guide (for short papers) must have the following information in the upper left-hand corner single spaced on the first page only.

**Name:** Name followed by the last 4 digits of ID **Example:** Ron Cross (1234)

**Course Number & Section** CSE 4314-001

**Assignment Title** Assignment #1

**Date:** 1/31/18

* Failure to follow instructions will be an automatic **5%** reduction in the assignment grade including the requirement to read, sign (no electronic signatures) and attach as the last page of any assignment turned in the Academic Integrity form.
* All written assignments will be submitted through links provided on CANVAS in the Assignments module.

**POP QUIZZES:**

Timed pop quizzes may be given at various times during the semester to gauge your understanding of the lecture and reading materials. No make-up quizzes will be given without documented critical and unavoidable reasons. If greater than 3 quizzes are given then the lowest quiz score will be dropped. Quizzes will only be given in class during normal class times unless otherwise specified by the instructor.

**ACTIVE LEARNING:**

On occasion active learning exercises may be performed in class 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:** Guest speakers from the college, industry and/or government agencies will be scheduled throughout the semester. Please see the lecture schedule for details. Guest Speaker’s Reports (GSR) will be turned in for grading. Please note that if you miss the Guest Speaker’s Presentation you will not be able to turn in a GSR. All reports are due at the beginning of the next class submitted through the Canvas mechanism.

### Technology Requirements

**CANVAS:** For this class we will be using CANVAS as the central means of conveying information and announcements to the students. Please note, all three sections of Professional Practices have been merged into 1 section. The Canvas site name may show a different section number for which you enrolled. No worries you are still in that section. Students can access tutorials on the canvas tools by clicking on “Get Started” box on their respective Canvas Homepages. As such you will be required to have a computer of sufficient computing capacity to connect to the internet, watch videos, and submit assignments, and if necessary take exams/quizzes. Please note unless notified all exams and quizzes will be given only in class at our physical location, no on-line mechanization unless the current situation dictates. As a contingency, you must have Respondus Lockdown downloaded for use on your computer. Because of this your computer set-up should also have a webcam as part of Examination/Quiz monitoring.

**Zoom & Microsoft Teams**: Additionally, you must have access to Zoom (downloaded on your computer) and Microsoft Teams. When necessary Industry Presentations will be done through the use of Zoom. Students may also speak to the instructor during normal office hours through Zoom (a link will be posted for use by the students)

### Other Requirements

### As stated above, unless prohibited by the University due to Corona Virus concerns, a special class presentation will be given showing the Alpha Go video. This is a required event and should not impact you outside of normal class hours. However, should we not be able to find a classroom during normal class hours to allow for the students to spread out, then this event may be offered on a different day (normally Friday) at a special venue large enough for students to comfortably and safely attend. More on this as we approach the date specified in the syllabus.

## Grading Information

### Grading:

A: >= 90, B: 80 to < 90, C: 70 to < 80, D: 60 to < 70, F: < 60 with points computed as follows:

Total Points System will be used where exams will be weighted more than individual assignments by the total points possible. This simply means that Exams will be worth more points than individual quizzes and assignments. Final grade percentages will be *rounded to the unit* for assessing the final letter grade. Students not completing one or more of these requirements may receive an Incomplete grade (I) in the course. Your point total may be reduced for more than two unexcused absences as described below in the attendance policy (for on-campus and in-class normal semester events). Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels; see “Student Support Services,” below.

Word of caution regarding assignments and due dates - it is easy to lose track of what is required and when it is required. Students who have performed poorly missed assignments and fall behind. To prevent this from happening make a plan on what is required and check it daily. Work assignments where possible in advance, do not let due dates sneak up on you. Rushing to complete an assignment causes the quality of your product (submission) to drop, thereby affecting your grade. Think critically, make the plan, execute to the plan and you should do well not only in this class but in your career upon graduation.

**Example Grade Calculation:** Note fictional numbers are used:

Exams worth 100pts, Assignment #1 & #2 worth 55 pts, Speech worth 40 pts, Extra-Credit worth 5pts

Exam #1= 95, E#2 = 85, Assignment #1 = 48, Assignment #2 = 45, Speech = 37, Extra-Credit = 3.5pts

[(Pts Earned + E.C.) / (Points Possible without E.C)] x 100% = 313.5/355 x 100% = 88.3 = B

### Make-up Exams: As stated above in the Examination section, no make-up exams will be given without documented, critical and unavoidable reasons.

### Expectations for Out-of-Class Study

Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 13.5 hours per week of their on time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

### Grade Grievances

Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog.

For Undergraduate courses:

[http://catalog.uta.edu/academicregulations/grades/ - undergraduatetext](http://catalog.uta.edu/academicregulations/grades/#undergraduatetext)

For Graduate courses:

<http://catalog.uta.edu/academicregulations/grades/#graduatetext>

For student complaints:

<http://www.uta.edu/deanofstudents/complaints/index.php>

## Course Schedule – Next Page

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| **Course Schedule:** *As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. – R. E. Cross.* | | | | | |
| **Class Date** | **Class #** | **Class Activities/Lecture** | **Guest Lecturer** | **Source of Material** | **Due Dates** |
| Week 1: 8/26/21 | 1 | Class Management - Syllabus & Schedule Review, Discussion of Assignments 1-5, Open Discussion on what most companies desire by way of an Ideal Employee |  | Canvas & Canvas Lectures |  |
| Week 2: 8/31/21 | 2 | Lecture - Business Communication |  | Lecture Notes on CANVAS |  |
| Week 2: 9/2/21 | 3 | Lecture - Chp 1, Pt1 |  | Baase—Chapter 1 (Lecture Notes on CANVAS) |  |
| Week 3: 9/7/21 | 4 | Lectures – Chp 1, Pt2 |  | Baase—Chapter 1 (Lecture Notes, CANVAS) |  |
| Week 3: 9/9/21 | 5 | Lecture - Chapter 2 |  | Baase—Chapter 2 (Lecture Notes, CANVAS) |  |
| Week 3: 9/14/21 | 6 | Lecture - Chp 3, Pt1 |  | Baase—Chapter 3 (Lecture Notes on CANVAS) | **Professional Ethics Assignment #1 due today via Canvas Link** |
| Week 4: 9/16/21 | 7 | Lecture - Chp 3, Pt2 |  | Baase -- Chapter 3 (Lecture Notes on CANVAS) |  |
| Week 4: 9/21/21 | 8 | Lecture -Chapter 4 |  | Baase – Chapter 4 (Lecture Notes on Canvas) |  |
| Week 5: 9/23/21 | 9 | **Guest Speaker** | **Jay Michael Demmler (ISACA)** | Guest Speaker #1 | **Assignment #2 Due Today** |
| Week 5: 9/28/21 | 10 | Lecture – Chapter 4 |  | Baase – Chapter 4 (Lecture Notes on Canvas) | **Guest Spkr Rpt #1 Due** |
| Week 6: 9/30/21 | 11 | **Guest Speaker – Resume Writing & Interviewing** | **Carole Coleman** | Guest Speaker #2 Handouts in Class |  |
| Week 6: 10/5/21 | 12 | Lecture - Chapter 5 |  | Baase – Chapter 5 (Lecture Notes on Canvas) | **Guest Speaker #2 Report Due** |
| Week 7: 10/7/21 | 13 | Lecture - Chapter 5 & Student Speeches |  | Baase—Chapter 5 (Lecture Notes, CANVAS) | **Assignment #3 Speech Script Due via Canvas** |
| Week 7: 10/12/21 | 14 | **Exam #1** |  | Exam #1 all previous material though Chapter 5 including discussions & Quotes |  |

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| Week 8: 10/14/21 | 15 | Lecture - Chapter 6 |  | Baase—Chapter 6 (Lecture Notes on Canvas) |  |
| Week 8: 10/19/21 | 16 | Lectures - Chapter 6 |  | Baase – Chapter 6 (Lecture Notes on Canvas) | **Assignment 5 Essay Topic CANVAS Submittal Due today** |
| Week 9: 10/21/21 | 17 | Lectures - Chapter 6 & Student Speeches |  | Baase – Chapter 7 (Lecture Notes on Canvas) |  |
| Week 9: 10/26/21 | 18 | Lectures - Chapter 7 & Student Speeches |  | Baase – Chapter 7 (Lectures Notes on Canvas) |  |
| Week 10: 10/28/21 | 19 | Lectures - Chapter 7 & Student Speeches |  | Baase - Chapter 8 & Student Speeches |  |
| Week 10: 11/2/21 | 20 | Lectures - Chapter 8 & Student Speeches |  | Baase - Chapter 8 & Student Speeches | **Assignment #4 Due** |
| Week 11: 11/4/21 | 21 | Lectures – Chapter 8 & Student Speeches |  | Baase - Chapter 8 & Student Speeches |  |
| Week 11: 11/9/21 | 22 | Lectures – Chapter 8 & Student Speeches |  | Canvas Lectures |  |
| Week 12: 11/11/21 | 23 | Lectures – Entrepreneurship & Student Speeches |  | Canvas Lectures |  |
| Week 12: 11/16/21 | 24 | Lectures – Entrepreneurship & Student Speeches |  | Canvas Lectures |  |
| Week 13: 11/18/21 | 25 | Lectures – Entrepreneurship & Student Speeches |  | Canvas Lectures | **Assignment #5 Due** |
| Week 13: 11/23/21 | 26 | Lectures - Engineering Licensure & Student Speeches |  | Canvas Lectures |  |
| Week 14: 11/25/21 | N/A | **Holiday**  **Thanks Giving** |  |  |  |
| Week 14: 11/30/21 | 27 | **AlphaGo Documentary** |  |  |  |
| Week 15: 12/2/21 | 28 | **Exam #2 or Optional Comp Exam** |  | Exam Covers Chapters 6, 7, & 8, Entreprenuership, Licensure and any other topic discussed in class plus quotes ***(Note Comp Exam Covers everything since first of Semester)*** |  |
| Week 15: 12/7/21 | 29 | Open Discussions & Wrap Ups |  |  |  |

## Institutional Information

UTA students are encouraged to review the below institutional policies and informational sections and reach out to the specific office with any questions. To view this institutional information, please visit the [Institutional Information](https://resources.uta.edu/provost/course-related-info/institutional-policies.php) page (https://resources.uta.edu/provost/course-related-info/institutional-policies.php) which includes the following policies among others:

* Drop Policy
* Disability Accommodations
* Title IX Policy
* Academic Integrity
* Student Feedback Survey
* Final Exam Schedule

### Face Covering Policy

*While the use of face coverings on campus is no longer mandatory, all students and instructional staff are strongly encouraged to wear face coverings while they are on campus. This is particularly true inside buildings and within classrooms and labs where social distancing is not possible due to limited space. If a student needs accommodations to ensure social distancing in the classroom due to being at high risk they are encouraged to work directly with the Student Access and Resource Center to assist in these accommodations.* *If students need masks, they may obtain them at the Central Library, the E.H. Hereford University Center’s front desk or in their department.*

### Attendance

At The University of Texas at Arlington, taking attendance is not required but attendance is a critical indicator of student success. Each faculty member is free to develop his or her own methods of evaluating students’ academic performance, which includes establishing course-specific policies on attendance.

As the instructor of this section, and due to the critical nature of the topics covered, attendance is mandatory. Each student will have 2 excused absences. For each additional unexcused absence beyond the 2 excused absences, the student’s final letter grade may be reduced one letter. If a student misses a guest speaker’s presentation that counts as 2 unexcused absences. If there will be known-unavoidable absences (such as interviews for a job) speak to the instructor as soon as it is known.

While UT Arlington does not require instructors to take attendance in their courses, the U.S. Department of Education requires that the University have a mechanism in place to mark when Federal Student Aid recipients “begin attendance in a course.” UT Arlington instructors will report when students begin attendance in a course as part of the final grading process. Specifically, when assigning a student a grade of F, faculty report must the last date a student attended their class based on evidence such as a test, participation in a class project or presentation, or an engagement online via Canvas. This date is reported to the Department of Education for federal financial aid recipients.

### Lab Safety Training

**Students registered for this course must complete all required lab safety training prior to entering the lab and undertaking any activities.** Once completed, Lab Safety Training is valid for the remainder of the same academic year (i.e., Fall through Summer II) and must be completed anew in subsequent years. There are no exceptions to this University policy. Failure to complete the required training will preclude participation in any lab activities, including those for which a grade is assigned. Please note, there are no labs associated with this class.

### Emergency Exit Procedures

Should we experience an emergency event that requires evacuation of the building, students should exit the room and move toward the nearest exit, (please see Emergency Exit Maps on Canvas for the respective sections of this class. You instructor will advise you of the nearest exit on the first day of class). When exiting the building during an emergency, do not take an elevator but use the stairwells instead. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

### Academic Success Center

The Academic Success Center (ASC) includes a variety of resources and services to help you maximize your learning and succeed as a student at the University of Texas at Arlington. ASC services include supplemental instruction, peer-led team learning, tutoring, mentoring and TRIO SSS. Academic Success Center services are provided at no additional cost to UTA students. For additional information visit: [Academic Success Center](https://www.uta.edu/student-success/course-assistance). To request disability accommodations for tutoring, please complete this [form](https://forms.office.com/Pages/ResponsePage.aspx?id=Q1vcXL7XqkyBc3KeOwpi2ccSjcIXpSJAqJFuDEhczLlUMVVHRVRIVlJJWDZJWlVYOUgxNjRPODdLVS4u).

**The** [**IDEAS Center**](https://www.uta.edu/ideas/) (https://www.uta.edu/ideas/) **(**2nd Floor of Central Library) offers **FREE** [tutoring](https://www.uta.edu/ideas/services/tutoring/index.php) and [mentoring](https://www.uta.edu/ideas/services/mentoring/index.php) to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. Students can drop in or check the schedule of available peer tutors at www.uta.edu/IDEAS, or call (817) 272-6593.

### The English Writing Center (411LIBR)

The Writing Center offers **FREE** tutoring in 15-, 30-, 45-, and 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Register and make appointments online at the [Writing Center](https://uta.mywconline.com/) (https://uta.mywconline.com). Classroom visits, workshops, and specialized services for graduate students and faculty are also available. Please see [Writing Center: OWL](http://www.uta.edu/owl) for detailed information on all our programs and services.

The Library’s 2nd floor [Academic Plaza](http://library.uta.edu/academic-plaza) (http://library.uta.edu/academic-plaza) offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the [library’s hours](https://library.uta.edu/hours) of operation.

### Librarian to Contact

Each academic unit has access to [Librarians by Academic Subject](http://www.uta.edu/library/help/subject-librarians.php) that can assist students with research projects, tutorials on plagiarism and citation references as well as support with databases and course reserves.

In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911. Non-emergency number 817-272-3381

## Library Information

### Research or General Library Help

Ask for Help

* [Academic Plaza Consultation Services](https://library.uta.edu/academic-plaza)(library.uta.edu/academic-plaza)
* [Ask Us](http://ask.uta.edu/)([ask.uta.edu/](http://ask.uta.edu/))
* [Research Coaches](https://library.uta.edu/subject-librarians) (http://libguides.uta.edu/researchcoach)

Resources

* [Library Tutorials](https://library.uta.edu/how-to) ([library.uta.edu/how-to](http://library.uta.edu/how-to))
* [Subject and Course Research Guides](https://libguides.uta.edu/) ([libguides.uta.edu](http://libguides.uta.edu/))
* [Librarians by Subject](https://library.uta.edu/subject-librarians) (library.uta.edu/subject-librarians)
* [A to Z List of Library Databases](https://libguides.uta.edu/az.php) (libguides.uta.edu/az.php)
* [Course Reserves](https://uta.summon.serialssolutions.com/#!/course_reserves)(https://uta.summon.serialssolutions.com/#!/course\_reserves)
* [Study Room Reservations](https://openroom.uta.edu/)(openroom.uta.edu/)