
TENNESSEE TECH UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE

CSC 3040-001: PROFESSIONALISM, COMMUNICATION, AND RESEARCH IN COMPUTING

MWF, 9:05-10:00AM, BR 207, 3 CREDIT HOURS, FALL 2017

INSTRUCTOR INFORMATION

Instructor's Name: William (Bill) Eberle

Telephone Number: 931-372-3278

Email: weberle@tntech.edu

Office: Bruner Hall, Room 413

Office hours: Monday and Wednesday 1:30-3:00

COURSE INFORMATION

PREREQUISITES

Junior or Senior Standing

SPCH 2410 or PC 2500 (D or better); CSC 2110 and CSC 2111 (C or better)

COURSE DESCRIPTION

Social, ethical, and career aspects of computing. Written, oral, and audio-visual communication in computer science; presentation techniques, report preparation, and technical correspondence. Introduction to research in computing.

COURSE OBJECTIVES/STUDENT LEARNING OUTCOMES

Upon successful completion of this course, the student will have the ability to:

- ✓ Develop and present material on your professional competency as a computer science professional.
- ✓ Interpret and present ethical issues of computing and computing careers.
- ✓ Develop and present training material on domain knowledge areas of computer science.
- ✓ Research, organize, and present computer science literature.

MAJOR TEACHING METHODS

The major teaching methods for course include lecture, discussions, readings, and student presentations. The course will make use of iLearn. Each class you will be expected to have completed any assigned reading **before** class begins. Class time will include discussions of the assigned reading. *It is important to come to class prepared!*

SPECIAL INSTRUCTIONAL PLATFORM/MATERIALS

The class syllabus, schedule, and other information will be available on the iLearn website as it is developed. You are responsible for checking the iLearn website regularly for information such as lecture notes and due date changes.

TOPICS TO BE COVERED:

Course topics include ethical frameworks, networked communication, information privacy, intellectual property, computer and network security, computer reliability, professional ethics, career-related resources on campus, technical/professional oral and written communication skills, and an introduction to computing research.

TEXTS AND REFERENCES:

Required:

- Quinn. Ethics for the Information Age (7th Edition). Addison-Wesley.
- Zobel. Writing for Computer Science (3rd Edition), Springer. (*PDF available online*)

References:

- For the ethics essay and presentation, the literature summaries, and the annotated bibliography/research presentation, students are encouraged to make use of the TTU library's computer science resources (in print and online).
- Additional materials will be assigned as needed.

GRADING AND EVALUATION PROCEDURES:

Tests and Assignments	
Midterm Exam	15%
Final Exam	15%
Professional Assignments	15%
Team Tutorial Assignment	15%
Team Ethics Assignment	15%
Team Research Assignment	15%
Attendance/Participation	10%

GRADING SCALE

Letter Grade	Grade Range
A	90-100
B	80-89
C	70-79
D	60-69
F	59 and below

COURSE POLICIES

STUDENT ACADEMIC MISCONDUCT POLICY

A core value of the Department of Computer Science is academic integrity. Violations include, but is not limited to sharing information on an exam, plagiarizing another's work, or unauthorized collaboration. For the first offense, a student will receive a 0 on the assignment and an 'F' for the course on the second offense, including reporting of the offense to the Department of Computer Science and the College of Engineering.

CLASS PARTICIPATION

Attendance at each class is expected and is part of your grade. If you know that you will be absent for a certain class, please check with the Instructor prior to that class to confirm whether or not that absence will be excused and what documentation is required. If an absence is unexpected, follow up with the Instructor as soon as is practical to discuss your absence. Whenever possible, obtain some sort of documentation (doctor's note, etc...) for any absence you wish to be excused.

ASSIGNMENTS AND RELATED POLICY

Material covered on the exams will be based on the assigned chapters, readings, and class lectures. All exams are mandatory. There are NO make-up exams after the scheduled times. If a student notifies the instructor IN ADVANCE, then an early make-up exam MAY be arranged at the discretion of the instructor. The instructor's decision is final. All exams may be kept by the instructor.

Class Plan by Weeks or Days:

Week	Dates	Ethics Chap	Writing Chap	Topics	Assignments Due
1	08/28-09/01			Introduction to Ethics, Technical Communications, and Professionalism	
2	09/06-09/08		1, 2	*** Labor Day Holiday *** Introduction on Writing Getting Started on Research	
3	09/11-09/15	2	3	Introduction to Ethics Reading and Reviewing	Resume
4	09/18-09/22	3	4	Networked Communications Hypothesis, Questions, and Evidence	Interview
5	09/25-09/29	4	5	Intellectual Property Writing a Paper	Elevator Pitch
6	10/02-10/06	5	6,7,8	Information Privacy Style	
7	10/09-10/13			<i>MidTerm Exam</i> Team Tutorials	Team Tutorial Material
8	10/18-10/20			*** Fall Break *** Team Tutorials	
9	10/23-10/27	6	9,10	Privacy and the Government Mathematics Algorithms	Team Research Proposal
10	10/30-11/03	7	11	Computer and Network Security Graphs, Figures, and Tables	
11	11/06-11/10		16	Presentations Team Ethics Presentations	Team Ethics

12	11/13-11/17	8		Team Ethics Presentations Computer Reliability	
13	11/20	9		Professional Ethics *** Thanksgiving ***	
14	11/27-12/01	10		Work and Wealth Team Research Presentations	Team Research
15	12/04-12/08			Team Research Presentations	
				*** FINAL EXAM ***	

DISABILITY ACCOMMODATION

Students with a disability requiring accommodations should contact the Office of Disability Services (ODS). An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The ODS is located in the Roaden University Center, Room 112; phone 372-6119. For details, view the Tennessee Tech's Policy 340 – [Services for Students with Disabilities at Policy Central](#).