

WRIGHT STATE UNIVERSITY

Fall 2021

Course Outline - **CS1000-90**
Technology & Society Online Course

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Office hours: Email for appointment for call or video conference

Technical Support:

Students needing technical assistance with online courses may contact the Help Desk. The CaTS Help Desk can assist you with your CAMPUS account and any of the services it can access, including WINGS, the university portal at wings.wright.edu.

Phone: (937) 775-4827, or toll free (888) 775-4827 Email:

helpdesk@wright.edu

For Help Desk hours and further contact information, see CaTS Contact information

Course Description:

This integrated online course introduces the focus of social, legal and ethical issues of computing technology. This course will examine and evaluate the consequences of technology on individuals, organizations and society to recognize its benefits, potential, and limitations. Explores current social, ethical, legal and philosophical topics to understand how the Digital Revolution impacts society. Integrated Writing course.

Course Integrated Outcome:

CS1000 is part of Element 3 of the Wright State Core. After taking this course, students should be able to:

- a. Critically describe some of the political, social or economic systems, historical, cultural or spiritual traditions, and/or technological innovations around the world
- b. Demonstrate an awareness of the diversity of people or traditions in our world in ways that promote effective engagement, both locally and globally

c. Use political, social, economic, historical, cultural, spiritual or technological knowledge to evaluate contemporary issues.

This course readings will cover discussions including political, economic, social, and philosophical issues. Students will be able to explore the argumentation on all sides and be able to explain why they reject the ones they reject before they take a position. Students will face a variety of issues in this coursework as members of a complex technological society, in both their professional and personal lives.

This course also satisfies the Integrated Writing attribute for the Writing Across the Curriculum in the WSU Core. After taking this course, students should be able to produce writing that: Demonstrates their understanding of course content, is appropriate for the audience and purpose of a particular writing task, demonstrates the degree of mastery of disciplinary writing conventions appropriate to the course (including documentation conventions), and shows competency in standard edited American English.

In this course, students will meet the 5,000-word minimum requirement by submitting (a) eleven weekly peer Discussions with a 100-word post along with two 25-word response posts each week, for a semester total of 1,650 words and (b) two research response assignment papers (Mid Term & Final Reflection paper) with 1000 words each and six outside writing assignments with 225 words each for a total of 3,350 words. Rubrics for each assignment will be provided, and students will be assessed on the quality of their writing. Students should consider the feedback they receive to improve their writing for these assignments over the course of the semester

Required Supplies:

Textbook: A Gift of Fire (**5th ed.**) by Sara Baase/ Timothy M. Henry (ISBN: 978-0-13-461527-1)

Grade Breakdown:

Discussion Board Topics	425 pts.
Peer Responses	110 pts
Quizzes	204 pts.
Research Paper Assignments (Mid & Final)	400 pts
Outside Reading/Writing Assignments	<u>150 pts.</u>
Total Points:	1289 pts.

Grading Scale Percentage:

100-90	A
89-80	B
79-70	C
69-60	D
Below 59	F

Class Outline:

- A. Unwrapping the Gift
 - 1. The Pace of Change
 - 2. Change and Unexpected Developments
 - 3. Themes
 - 4. Ethics
- B. Privacy
 - 1. Privacy Risks and Principles
 - 2. The Fourth Amendment, Expectation of Privacy, and Surveillance Technologies
 - 3. The Business and Social Sectors
 - 4. Government Systems
 - 5. Protecting Privacy: Technology, Markets, Rights, and Laws
 - 6. Communications
- C. Freedom of Speech
 - 1. Communications Paradigms
 - 2. Controlling Speech
 - 3. Posting, Selling, and Leaking Sensitive Material
 - 4. Anonymity
 - 5. The Global Net: Censorship and Political Freedom
 - 6. New Neutrality Regulations or the Market
- D. Intellectual Property
 - 1. Principles, Laws, and Cases
 - 2. Responses to Copyright Infringement
 - 3. Search Engines and Online Libraries
 - 4. Free Software
 - 5. Patents for Inventions in Software
- E. Crime
 - 1. Introduction
 - 2. Hacking
 - 3. Identity Theft and Credit Card Fraud
 - 4. Whose Laws Rule the Web?

F. Work

1. Changes, Fears, and Questions
2. Impacts on Employment
3. Employee Communication and Monitoring

G. Evaluating and Controlling Technology

1. Evaluating Information
2. The “Digital Divide”
3. Neo-Luddite Views of Computers, Technology, and Quality of Life
4. Making Decisions about Technology

H. Errors Failures, and Risks

1. Failures and Errors in Computer Systems
2. Case Study: The Therac-25
3. Increasing Reliability and Safety
4. Dependence, Risk, and Progress

I. Professional Ethics and Responsibilities

1. What is “Professional Ethics”?
2. Ethical Guidelines for computer Professionals for computer Professionals
3. Scenarios

J. Evaluating and Controlling Technology

4. Evaluating Information
5. The “Digital Divide”
6. Neo-Luddite Views of Computers, Technology, and Quality of Life
7. Making Decisions about Technology

K. Errors Failures, and Risks

8. Failures and Errors in Computer Systems
9. Case Study: The Therac-25
10. Increasing Reliability and Safety
11. Dependence, Risk, and Progress

L. Professional Ethics and Responsibilities

12. What is “Professional Ethics”?
13. Ethical Guidelines for computer Professionals
14. Scenarios

Course Requirements:

Regular submission and participation in class discussions is expected. It is the student's responsibility to follow the worksheet and meet deadlines on submissions. Each student is responsible for their own work and not the work of others, even if it means an incomplete presentation. Copied, plagiarized or copied files turned in as your own work will result in an immediate failure of all students involved in this disappointing act. Be responsible for your own work! Don't be unrealistic- technology leaves a trail and it is traceable back to both parties involved. Both students involved will be sent in front of the academic board of ethics. Learning technology ethics is the main part of this course and it will not be tolerated in this class.

Contact us immediately if you are having difficulties with homework, assignment or life in general. Assignments are uploaded on Pilot and stamped for deadline time approvals. They must be turned into the correct Dropbox for credit. It is the student's responsibility not the instructors.

Missing deadlines on weekly assignments:

To keep a continuous time frame it is important to never miss deadlines. If due to uncontrollable circumstances late deductions may be granted with prior notice to the instructor. Although, feedback late submissions are not possible for any reason due to the discussion board timer.

Please do not email assignments they must be uploaded only to Pilot for grading. Projects will be announced in class. Deadlines will be announced at a later date. It is extremely important that work is handed in on time. There will be a 30% late deduction taken off your assignments when turned in past the due date up to one week only.

Academic Integrity:

Cheating of any kind will not be tolerated. From the Wright State University, Office of Judicial Affairs, Student Guide to Academic Integrity:

"It is the policy of Wright State University to uphold and support standards of personal honesty and integrity for all students consistent with the goals of a community of scholars and students seeking knowledge and truth. Furthermore, it is the policy of the university to enforce these standards through fair and objective procedures governing instances of alleged dishonesty, cheating, and other academic misconduct." Violations of academic integrity will not be tolerated. Please familiarize yourself with the WSU policy on Academic Integrity at this link: www.wright.edu/students/judicial/integrity.html. The policy will be followed.

Tutoring Services Appointment Scheduling:

Tutoring Services works to provide support for frequently-requested courses numbered 3000 and below. tutors and study coaches help students develop a deeper understanding of class material and gain successful skills that can improve their overall GPA. They assess student academic strengths and challenges and develop strategies for time-management, test-taking, text-book reading, memorization, and note-taking. Study coaches assess student academic strengths and challenges to help students develop individualized strategies for their courses.

Appointments will be arranged for 1 hour per week of tutoring or study coaching per course at no charge.

Individual or small group tutoring is available by appointment.

Students can request and be matched for appointments with tutors and study coaches on staff throughout the term.

Late cancellation and no-show fees of \$30 per instance apply.

Appointment requests and inquiries will be responded to Monday–Friday 8 a.m.–5 p.m. Contact Tutoring Services at 937-775-5770 or wsututor@wright.edu

Office of Disabilities Services (ODS):

Wright State University is committed to diversity and inclusion. The Office of Disability Services will work with students who have disabilities on an individual basis to determine what services, equipment, and accommodations are most beneficial. If you have special needs as addressed by the Americans with Disabilities Act and require alternate testing location/materials, please register with the Office of Disability Services (ODS) located at 023Student Union, 775-5680. The ODS will formally request from your Professors all necessary materials needed to assist students with special needs.

RaiderConnect:

Student Accounts, Financial Aid & Registration services for students

Location: 130 Student Union

Hours:

Monday, Tuesday, Thursday, Friday: 8:30 a.m.-5 p.m.

Wednesday: 9:30 a.m.-5 p.m.

Phone: 937-775-4000

Fax: 937-775-4410

Email: RaiderConnect@wright.edu