Course Prefix/Number/Title: CSCI 289 – Social Implications of Computing Technology

Number of Credits: 3 Credits

Course Description: An introduction to the effects of computer technology on society and individuals and to ethical problems faced by computer professionals. Topics covered include privacy, the nature of work, centralization versus decentralization and the need for human factors analysis in the development of a new computer system.

Pre-/Co-requisites: None

Course Objectives:
- Determine solutions to computer-related problems from technology.
- Describe how computers have changed institutions and conventions.
- Compare the risks and problems of computer technology with other technologies and non-computerized alternatives.
- Discuss current issues and controversies regarding technology.
- Analyze ethical issues facing today's computer professionals.

Instructor: Mrs. Kayla O'Toole

Office: Thatcher Hall, Room 203

Office Hours: By Appointment

Phone: 701-228-5479

Email: kayla.otoole@dakotacollege.edu

Lecture/Lab Schedule: Hybrid – Class meets every Wednesday

Textbook(s): Gift of Fire, Social, Legal and Ethical Issues for Computing Technology, 5th edition, Baase, Henry, 2018, Pearson, 978-0-13-461527

Course Requirements: Instruction procedures include lecture, class discussion and participation, individual assistance and tests. Grades will be calculated by dividing total points earned by total points available. You will need access to a desktop or laptop computer to take this class. You cannot use your phone or tablet to take this class.

Grading Scale:
- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 0-59%

Tentative Course Outline:
- Chapter 1: Unwrapping the Gift
- Chapter 2: Privacy
- Chapter 3: Freedom of Speech
- Chapter 4: Intellectual Property
- Chapter 5: Crime and Security
- Chapter 6: Work
- Chapter 7: Evaluating and Controlling Technology
- Chapter 8: Errors, Failures and Risks
- Chapter 9: Professional Ethics and Responsibilities

Tentative Course Outline (Dates):
- Week 1 (Jan. 13-19)
  - F2F (Jan. 13)
    - Intros, Syllabus, Ch. 1 Lecture and Discussion
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – How Close are We to a Self-Driving World, Homework Project, Virtual Discussion
- Week 2 (Jan. 20-26)
  - F2F (Jan. 20)
    - Week 2 Lecture and Discussion (Ch. 1 Continued)
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – The Ethical Dilemma We Face on AI and Autonomous Tech, Homework Project, Ch. 1 Quiz
- Week 3 (Jan. 27-Feb. 2)
  - F2F (Jan. 27)
    - Ch. 2 Lecture and Discussion
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – Privacy in the Digital Age, Homework Project, Virtual Discussion
- Week 4 (Feb. 3-9)
  - F2F (Feb. 3)
    - Ch. 2 Lecture and Discussion Continued
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – Online Privacy – It Doesn't Exist, Homework Project, Virtual Discussion, Ch. 2 Quiz

- Week 5 (Feb. 10-16)
  - F2F (Feb. 10)
    - Ch. 3 Lecture and Discussion
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – More Adventures in Replying to Spam E-mail, Homework Project, Virtual Discussion
- Week 6 (Feb. 17-23)
  - F2F (Feb. 17)
    - Ch. 4 Lecture and Discussion, Review for Midterm
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – How I Beat a Patent Troll and Whatever Happened to Napster?, Homework Project, Ch. 3/4 Quiz
- Week 7 (Feb. 24-Mar.2)
  - F2F (Feb. 24)
    - Midterm Quiz
  - Online
    - Ch. 5 Instructor Video Lecture, Reading Assignment, Video – Hackers: The Internet's Immune System, Homework Project, Virtual Discussion
- Week 8 (Mar. 3-9)
  - Online Only This Week (ND OER Conference)
    - Ch. 5 Lecture and Discussion Continued, Instructor Video Lecture, Ch. 5 Quiz, Video – The Five Laws of Cybersecurity
- Week 9 (Mar. 10-16)
  - F2F (Mar. 10)
    - Ch. 6 Lecture and Discussion
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – What Will the Future Jobs Look Like?, Homework Project, Virtual Discussion
- Week 10 (Mar. 17-23)
  - Spring Break
- Week 11 (Mar. 24-30)
  - F2F (Mar. 24)
    - Ch. 7 Lecture and Discussion
  - Online
    - Instructor Video Lecture, Reading Assignment, Video – Technology is Reinventing Humanity, Homework Project, Virtual Discussion
- Week 12 (Mar. 31-Apr. 6) Short Week Due to Easter – No Classes on April 2 and 5
  - F2F (Mar. 31)
    - Ch. 7 Lecture and Discussion Continued
  - Online
    - Reading Assignment, Homework Project, Video – Can We Control the Future that Technology is Creating?, Ch. 6/7 Quiz

- Week 13 (Apr. 7-13)
  - F2F (Apr. 7)
    - Ch. 8 Lecture and Discussion
  - Online
    - Video – Top Ten Most Disastrous Software Bugs, Virtual Discussion, Instructor Video Lecture, Reading Assignment, Homework Project
- Week 14 (Apr. 14-20)
  - F2F (April 14)
    - Ch. 8 Lecture and Discussion Continued
  - Online
    - Reading Assignment, Video – Need a Digital Detox?, Homework Project, Virtual Discussion, Quiz 8
- Week 15 (Apr. 21-27)
  - F2F (April 21)
    - Ch. 9 Lecture and Discussion
  - Online
    - Video – Why Do Ethics Matter?, Virtual Discussion, Reading Assignment, Homework Project
- Week 16 (Apr. 28-May 4)
  - F2F (Apr. 28)
    - Ch. 9 Lecture and Discussion Continued
  - Online
    - Video – The ethical dilemma we face on AI and autonomous tech?, Virtual Discussion, Reading Assignment, Homework Project
- Week 17 (May 5-11)
  - F2F (May 5)
    - Summary Lecture and Discussion, Review for Final Exam
  - Online
    - Videos - Evolution of Television 1920-2020, Evolution of Mobile Phones, Evolution of Laptops (Portable Computers) 1975 – 2020, Virtual Discussion
- Week 18 (May 10-14)
  - Finals Week
    - Meet F2F - Final Exam

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s): Demonstrate technology literacy by working independently and with others, to responsibly, appropriately and effectively use technology tools to access, manage, integrate, evaluate, create and communicate information.

Relationship to Campus Focus: Technology: The course focuses on knowledge and application of technology.

Learning Outcome 1: Completes assignments using appropriate application software:

1. Creates, edits, and formats documents in various software suite applications.
2. Conducts valid research via the Internet.
3. Demonstrates compentencies in electronic communications.

Classroom Policies:
- Students are required to complete all class activities.
- Cheating will result in the automatic failure of this course.
- All assignments will be submitted in Blackboard.
- Assignments that are late will have points deducted accordingly.
- Incompletes are handled according to the campus policy.

Student Email Policy:
Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the Campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

Academic Integrity:
According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

Disabilities or Special Needs:
Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

Title IX:
Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.