# University of North Dakota

## Department of Computer Science

## CSci289 In-Class Social Implications of Computer Technology - Fall 2018

**Lecturer:**    Emanuel Grant, Upson II room 366D

        Email: emanuel.grant@engr.und.edu    Phone : *701*.777.4133

        Office Hour: Wednesday, and Friday 12:30pm – 2:30pm online (or by appointment)

**TA:**    Sanjaya Pandey, Starcher Hall room 238

        Email: sanjaya.pandey@und.edu

        Office Hours: TBD

**Lecture:**    Collaborative Energy Complex room 209, Monday, Wednesday, Friday 11am – 11:50am

**Credit:**    3 credits

**Prerequisite:**    None.

**Description:**    Course will cover an introduction to the effects of computer technology on society and individuals and ethical problems faced by computer professionals.

**Goal:**    On completion of this course, students will be able to:
- Apply critical thinking in reasoning about to the use of computer technology in society.
- Demonstrate knowledge of advantages and disadvantages of the use of computer technology in society.
- Demonstrate knowledge of legal and ethical obligation of software developers to society.
- Demonstrate knowledge of government regulations on the use of computer technology in society.
- Demonstrate an ability to communicate effectively, both orally and in writing.
- Demonstrate knowledge of the implication of computer technology in other cultures.

**Grading:**

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|---|---|
| Mid-term exam | 20% |
| Chapter assignment | 20% |
| Online presentation | 20% |
| Term paper | 20% |
| Final exam | 20% |

**Course Text:**    A Gift of Fire by Sara Baase 5th edition (ISBN-10 0-13-461527-1)

**Date:**    *Mid-term exam: Friday October 19, 2018*
*Chapter Assignment: Following completion of chapter review*
*Final exam: Monday December 10, 2018 – 10:15am – 12 noon*
*Online presentation: 09/14/18 – 12/03/18*
*Term paper: Wednesday, December 5, 2018*

**\*\*\*\*\*\* Dates are subject to change \*\*\*\*\*\***

**Late Assignment:** Assignments may be submitted up to three school days late. Such late assignments will incur a penalty of 10% off, for each late day. No assignments will be accepted that is more than three (3) school days late, but may be me considered for points if a valid written excuse is provided. If a test or assignment submission will be missed, then the student should notify the instructor before the date of the test or assignment submission date to obtain approval.

**Email Protocol**: All email communications from the instructor and TA will be sent to your official UND email address. All email from students to the instructor or TA must be sent from the students official UND email address and must include the prefix "**CSci289**" in the Subject field.

**Mid-Term Exam:** The mid-term exam will be based on all material covered up to and including the lecture before the mid-term exam. The session immediately before the mid-term exam will be used as a review session, and students are expected to pose questions on topics with which they have difficulty.

**Chapter Assignment:** On completing the topics of each chapter of the class text book an assignment will be given. This assignment will test your comprehension of the topics covered in the respective chapters, and will be due one week after being assigned.

**Final Exam:** The final exam will be based on all material covered up to and including the final lecture of the semester. The last lecture session will be used as a review session, and students are expected to pose questions on topics with which they have difficulty.

**Class Presentation:** Each student will make a twelve (12) minute recorded presentation (e.g. Power Point), on a relevant topic of their choice. Each student will select a topic and the choice submitted (title and a brief description) to the lecturer. The chosen topic, in the field of computer technology, may be taken from the following list: (1) a published article; (2) a renowned person; (3) a controversial or current topic/issue; (4) a historical event or invention; (5) any other approved topic. The presentation must highlight the social and/or individual impact of the chosen topic. You are encouraged to be creative in your presentations.

**Presentations will be graded as follows:**

| Presentation Rubric |
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| **Scale I: Vocal Expression**<br>Vocal expression refers to the distinctness of the articulation and pronunciation of words. This refers to the voice rather than to meaning. The rating is an evaluation of the clearness of the expression, not the understandability of the meaning of the word being used.<br>**85 - 100** Clear throughout<br>**70 - 84** Generally clear<br>**50 - 69** Poor articulation |
| **Scale II: Physical Expression**<br>Physical expression refers to the degree to which the speaker maintains eye contact with the camera or listeners (in the case of an in-person presentation. One extreme is represented by the person who either avoids eye contact altogether, the other by the person who seems to be staring constantly at the camera or listeners. The ideal is represented by the person who attracts the listener's attention and interest through use of the eyes without making the listeners uncomfortable.<br>**85 - 100** Involves audience with eye contact<br>**70 - 84** Some eye contact<br>**50 - 69** Avoids eye contact |

**Scale III: Organization**
Organization refers to the sequencing of main points within the message. No order would be extremely confusing to listeners, while effective order helps them both to follow and to anticipate ideas.
**85 - 100** Effective order
**70 - 84** Some order
**50 - 69** No order

**Scale IV: Support and Elaboration**
Support and elaboration refer to the way the speaker works with each idea. Does the speaker provide proof, data, and evidence? Are illustrations, examples, etc., sufficient to support and clarify the ideas and their relevance to the social implication of the subject/topic?
**85 - 100** Reasoning clear and effective
**70 - 84** Reasoning clear
**50 - 69** Reasoning unclear

**Term Report:** Each student will submit a 5 – 8 page; double space, 11pt Arial, or Times Roman font term report of their **Online Presentation**. Students must submit a paper title and abstract (approximately 4 – 6 sentences) at least one week prior to their selected presentation date. The required final format of the report will be given in a class lecture. Term reports will be graded as follows:

**Writing Rubric**

**Scale I: Organization/Format**
**85 - 100** Organizes material in a required clear, appropriate, and precise manner.
**70 - 84** Organizes material in an appropriate manner, but may lack some clarity or consistency. Presents basic information but may have extraneous material.
**50 - 69** Little evidence of a cohesive plan. Little or no description or detail. Ideas seem scrambled, jumbled, or disconnected.

**Scale II: Content**
**85 - 100** Material content is clear, relevant, accurate, and concise.
**70 - 84** Material is appropriate, but may lack a clear connection to the purpose.
**50 - 69** Little evidence of appropriate content.

**Scale III: Writing Conventions**
**85 - 100** Enhances the readability of the paper.
**70 - 84** Minor errors are present, but they do not detract from the readability of the paper.
**50 - 69** Little or no evidence of correct writing. Poor conventions seriously limit the paper's readability.

**Scale IV: Research and Interpret Data/Information**
**85 - 100** Correct interpretation of data or information. Analysis and conclusion are based on research.
**70 - 84** Correctly interpret data or information, but analysis or conclusion may not be supported by research.
**50 - 69** Incorrectly interprets data or information with little or no analysis or conclusion. Little or no evidence of research presented.

**Scale V: Appropriate Vocabulary**
**85 - 100** Articulates appropriate vocabulary and terms associated with the subject matter.
**70 - 84** Some inappropriate vocabulary present or limited use of appropriate vocabulary.
**50 - 69** Inappropriate vocabulary and use occurs.

**Notice of Nondiscrimination**
It is the policy of the University of North Dakota that no person shall be discriminated against because of race, religion, age, color, gender, disability, national origin, creed, sexual orientation, gender identity, genetic information, marital status, veteran's status, or political belief or affiliation and the equal

opportunity and access to facilities shall be available to all. Concerns regarding Title IX, Title VI, Title VII, ADA, and Section 504 may be addressed to Donna Smith, Director of Equal Employment Opportunity/Affirmative Action and Title IX Coordinator, 401 Twamley Hall, 701.777.4171, und.affirmativeactionoffice@UND.edu or the Office for Civil Rights, U.S. Dept. of Education, 500 West Madison, Suite 1475, Chicago, IL 60611 or any other federal agency.

**Disability Statement**

If you need accommodation in this course because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible. If you plan to request disability accommodations, you are expected to register with the Disability Services for Students (DSS) office (190 McCannel Hall, 777.3425 v/tty).

**Academic Honesty**

All students are subject to the UND Code of Student Life, including but not limited to, issues of Scholastic Dishonesty.