**Course:**  **ETHICS, COMMUNICATION AND TOOLS FOR SOFTWARE**

**DEVELOPMENT** **CSC 300**

**Instructor**: Daniel Tomasevich

Office: TH 961; Tel: 338-2168

office hours: Mon, Wed 16:45 – 17:45 h or by appointment

**E-mail**: dtomas@sfsu.edu

**Textbook**: Sara Baase, A Gift of Fire (4rd or 5th edition)

Prentice Hall

**Prerequisite**: CSC 210 with grade C or better

**Syllabus**: *Introduction to ethical, social and professional issues in*

*computer science:*

- frameworks for ethical decision making; privacy, reliability

on computers; freedom of speech; intellectual property rights

and protection, copyright laws, patents, trade secrets.

- professional responsibilities; accountability, code of ethics,.

*Written communication and tools used in collaborative software development*

software specifications; requirements, use cases. Abstracts, executive summaries and short technical reports, documentation,

creating effective technical presentations.

*Basic tools for software development at SFSU*

Overview of operating systems, remote text editors, file security, regular expressions, pattern matching.

**Course**: <http://ilearn.sfsu.edu>

**information**

**Grading**: 5% attendance and participation

16% quizzes (4-5)

34% written assignments (2 papers, each 4+ pages)

45% final paper (10+ pages)

The final grade will be based on the cumulative points obtained from all coursework. The submission date for the final paper will be strictly enforced, no exceptions.

Most likely the grading scale will be

95-100% A; 90-94% A-

86-89% B+; 83-85% B; 80-82% B-

76-79% C+; 73-75% C; 70-72% C-

Less than 70% NC

**Learning outcomes:**

At the end of this course students shall be able to:

- Evaluate ethical issues that are associated with accessing on-line information or developing software,

- Understand the ethics and plagiarism policy of the CS Department,

- Understand, evaluate and apply various legal, privacy and intellectual property concerns related to on-line information and software,

- Apply professional responsibility, accountability when writing software,

- Use written communication effectively in the context of computer science and collaborative software development.

The Campus Academic Resource Program(CARP), <http://carp.sfsu.edu> offers assistance and tutoring in courses that require written assignments.

To brush up on your research and writing skills, please visit CARP.

**Disability access**

Students with disabilities who need reasonable accommodations are encouraged to contact the instructor. The Disability Programs and Resource Center (DPRC) is available to facilitate the reasonable accommodations process. The DPRC is located in the Student Service Building and can be reached by   
telephone (voice/TTY 415-338-2472) or by email ( [dprc@sfsu.edu](mailto:dprc@sfsu.edu) ).

**Student disclosures of sexual violence**

SF State fosters a campus free of sexual violence including sexual harassment, domestic violence, dating violence, stalking, and/or any form of sex or gender discrimination.  If you disclose a personal experience as an SF State student, the course instructor is required to notify the Title IX Coordinator by completing the report form available at [http://titleix.sfsu.edu](http://titleix.sfsu.edu/), emailing [vpsaem@sfsu.edu](mailto:vpsaem@sfsu.edu) or calling 338-2032.

**To disclose any such violence confidentially, contact:**

* The SAFE Place - (415) 338-2208;  <http://www.sfsu.edu/~safe_plc/>
* Counseling and Psychological Services Center - (415) 338-2208; <http://psyservs.sfsu.edu/>
* For more information on your rights and available resources: [http://titleix.sfsu.edu](http://titleix.sfsu.edu/)