

CGS 3095 – Technology in the Global Arena

A Global Learning¹ Discipline-Specific Course

Fall 2016

Instructor

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Course Description

Computing technologies, including the Internet, have led to an increase in opportunities for collaboration and interaction among societies around the world. As additional computing power, storage, and network bandwidth become available, the capabilities of interconnected systems become more and more powerful. This course aims to introduce students to the legal, social, and ethical issues that are brought about by the globally-connected Internet and continuing increases in computing power. These issues, including privacy, security, intellectual property, anonymity, civil liberties, and cultural integrity will be explored from the perspectives of different global societies and through the professional standards adopted by global computing organizations. The goal of this course is to enable computing professionals to make informed ethical decisions that account for societal differences regarding the technologies that they develop and administer.

Overall Objectives

1. Understand and discuss the legal, ethical, and social impacts of technology as related to intellectual property rights, and how the global reach of the Internet affects these issues.
2. Understand and discuss the legal, ethical, and social impacts of technology as related to individual privacy, security, and anonymity across the globe and in the global Internet society.
3. Understand and discuss a computing professional's roles and responsibilities as related to intellectual property, privacy, anonymity, legal, social, and ethical issues.
4. Be familiar with the special issues that virtual worlds present to intellectual property, privacy, security, anonymity, social identity, and social inclusion.
5. Be familiar with the global impacts of the technological divide among diverse populations around the world.
6. Create and deliver a professional presentation on global technology impact issues.
7. Be able to explain strategies for continued professional development
8. Produce a research paper on global technology impact issues.

Global Learning Course Outcomes

Upon completion of this course, the student will:

- Be able to understand and discuss the legal, ethical, and social impacts of technology as related to individual privacy, security, and anonymity in societies across the globe and in the global Internet society. (Global Awareness)
- Be able to understand and discuss the legal, ethical, and social impacts of technology as related to intellectual property rights, and how the global reach of the Internet affects these issues. (Global Perspective)
- Be able to understand and discuss a computing professional's roles and responsibilities as related to intellectual property, privacy, anonymity, legal, social, and ethical issues. (Global Engagement)

Online Course Support: <http://moodle.cis.fiu.edu/>

¹ This is a Global Learning Discipline-Specific course that counts towards your Global Learning graduation requirement.

Reading Material: Readings will be specified via the course's Moodle.

Prerequisites

ENC 3213 (Technical Writing) and (COP 2210 (Prog. I) or COP 2250 (Prog. in Java))

Last Drop Date (for a DR grade): October 31st, 2016

Individual Project

Every student will be required to produce a research paper and make a recorded presentation on the paper's topic.

Team Project

Every student will be required to participate in a team project and be part of a presentation on that team's efforts.

Method of Instruction

This course will consist of some assigned readings, assigned independent research, and a lot of discussion in the classroom and on web-based forums. All students are expected to participate vigorously in all classroom and web-based discussions. To do so will require that the student reads assigned material, independently explores the topic to be discussed, and is present for and engaged in in-class discussions.

Assignments and Grading Weights

- Individual Quizzes: 10%
- Team Quizzes: 10%
- Posting Presentation: 10%
- Participation (Attendance, In-Class discussion, Team Project Reviews): 10%
- Team Project: 25%
- Individual Paper: 40%
- Individual Presentation: 15%

Course Grading Scale

- A (97.0+), A- (90.0 - 92.9), B+ (87.0 - 89.9), B (83.0 - 86.9), B- (80.0 - 82.9), C+ (77.0 - 79.9), C (70.0 - 76.9), D (60.0 - 69.9), F (< 60)

Evaluation Method

Grades are based on the quality and quantity of each student's participation in class and via web-based forums, and on the quality of each student's paper and presentation. Components are graded as follows:

- A. Class Attendance: REQUIRED & GRADED.** The attendance grade is pro-rated based on your number of absences. It is your responsibility to sign in at the beginning of each class, to turn in an individual quiz, or to submit presentation review sheets each class session; these are the only acceptable record of attendance. Chronic tardiness or early departures will also result in a reduction of an attendance grade. If you miss a class, you are responsible to obtain all assignments and information regarding reading materials and assignments. *If you feel you have a valid excuse for missing a class session, please e-mail the instructor as soon as possible to present your excuse.*
- B. Quizzes (Individual and Team).** On each day where a READING is due, there will be a quiz at the start of the class session. There are FOUR (4) such READINGS planned. You will first take that quiz as an individual. Each team will then gather to take the same quiz as a team. No makeup quizzes will be given.

- C. Class Participation.** Every student is expected to participate in class discussions and to pay attention during class discussions. Respect must be given to everyone at all times. Exceptional examples of class participation (good and bad) over the course of the semester will be used, at the instructor's discretion, to adjust borderline participation grades.
- D. Posting Presentations.** POSTINGS will be due the evening *before* each POSTING in-class discussion. Each individual will be required to participate as a poster and as a reader/review of postings as defined in the instructions that will be posted on the course's Moodle. Each individual is required to make a single post on the topic assigned to their Team during the first six posting assignments; all students will make posts in the final posting assignment.
- E. Reading assignments:** All assigned reading material must be completed prior to the class meeting to enable the student to participate fully in the discussion and to be able to score well on the Quizzes described above.
- F. Team Project:** Students will be assigned into Teams. Each team will be tasked with developing its own independent theme in consultation with the instructor. (During this development process, each Team member will develop his or her own sub-theme that will be the topic of his or her individual paper and presentation.) Each Team will be responsible for developing appropriate presentation materials, documenting their results and each Team will make an in-class presentation on their theme. Each individual's Team project grade will be based on the Team's presentation; adjustments for each team member will be made based on the feedback received through the Team Review process.
- G. Individual paper:** A well-researched, well-written paper is a required element for this course. *Failure to submit a paper is an automatic F grade for the course.* Submitting a highly plagiarized paper (as determined by Turnitin scoring ≥ 20) is an automatic 0% paper grade. The paper will be graded on content, the global, social and ethical analysis of the issue presented, grammar, style, length, and adherence to the prescribed formatting requirements. Scoring protocols will be provided via Moodle.
- H. Individual presentation:** You are required to make a presentation on the topic of your paper. Each presentation will be graded on content, global, social and ethical analysis of the issue presented, interest level, creativity, and clarity. *Failure to submit your individual presentation is an automatic F grade for the course.* Scoring protocols will be provided via Moodle.
- I. Academic Honesty:** Anti-plagiarism software (Turnitin) is used to validate the authorship of your written assignments. Any paper which scores 20% or higher on the plagiarism measurement will be subject to a failing grade. Any evidence of this or other cheating will result in a failing course grade. See the section on Academic Honesty below.

Technology Requirements

You must have access to the FIU email address that was automatically assigned to you as an FIU student, with email software capable of sending and receiving attached files. (Do *not* send e-mails from non-FIU personal accounts; only *fiu.edu e-mails will be considered "official.") Be sure that you regularly check the e-mail registered with the SCIS Moodle learning management system.

- The ability to read and create PowerPoint slides and Word documents.
- The ability to create and post YouTube videos.

Student/Faculty Interaction

- Students will be required to participate in the course's on-line discussions at <http://moodle.cs.fiu.edu>
- Students are encouraged to e-mail the instructor at any time when questions arise or clarification is needed about any subject matter.

Submitting Assignments

All assignments are to be submitted via Moodle by the date and time specified.

Late Policy

Assignments turned in after their deadline will lose 5 percentage points for every day late (weekends and holidays included). Some assignments, such as discussion forums, will not be accepted late; such assignments will be scored as 0% if not turned in by their stated deadlines.

Make-up Work Policy

No make-up quizzes will be given. Missing any part of this course's schedule may prevent completion of the course. If you foresee difficulty of any type (i.e., an illness, family crisis, etc.) that may prevent completion of this course, notify the Instructor as soon as possible. Failure to do so will result in failure for an assignment and/or failure of the course.

Extra Credit: *No extra credit will be granted.*

University Learning Center

The FIU University Learning Center is available to support you. They provide personalized attention tailored to your needs in a user-friendly environment that includes online support. You can get help writing a paper, reading more efficiently and increasing reading comprehension, or even creating an individualized learning plan. The centers are located in GL 120 (305-348-2441) on the Modesto A. Maidique campus and at ACI 160 (305-919-5927) on the Biscayne Bay campus. Find them online at <http://understand.fiu.edu/cas/learning-center/>.

Americans with Disabilities Act (ADA)

FIU's [Disability Resource Center](#) is available to all students. It is each student's responsibility to contact that office to process any request to have special needs met. Please follow the Disability Resource Center's procedures as to proper notification to the Instructor.

Learning Environment

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an equitable opportunity to learn and to honestly demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the [Student Handbook](#).

Global Learning Graduation Honors

FIU's Excellence in Global Learning Graduation Medallion is awarded to students who complete at least four global learning courses, participate in a variety of global co-curricular activities, and complete a capstone consisting of one of the following: a substantial original research project and presentation on a global topic; extensive foreign language study; long-term study abroad; or, a globally-focused internship. The Peace Corps Prep certification is conferred upon students who complete at least four global learning courses, extensive language study, and a global problem-solving project. For more information, visit goglobal.fiu.edu.

Academic Honesty and Plagiarism

The awarding of a university degree attests that an individual has demonstrated mastery of a significant body of knowledge and skills of substantive value to society. Any type of dishonesty

in securing those credentials therefore invites serious sanctions, up to and including suspension and expulsion. Examples of dishonesty include actual or attempted cheating, plagiarism*, or knowingly furnishing false information to any university employee.

*Plagiarism is defined as submitting anything for credit in one course that has already been submitted for credit in another course, or copying any part of someone else's intellectual work – their ideas and/or words – published or unpublished, including that of other students, and portraying it as one's own. Proper quoting, using strict APA formatting, is required, as described by the instructor. All students are required to read the material presented at: <http://www.hamilton.edu/style/avoiding-plagiarism>.

Students must properly cite any quoted material. No paper, business plan, project, case analysis, or assignment may have more than 20% of its content quoted from another source. Students who need assistance in learning to paraphrase should ask the instructor for guidance. This university employs **plagiarism-detection software**, through which *all* written student assignments are processed for comparison with material published in additional sources (books, journals, magazines), on the internet (to include essays for sale), and papers turned in by students in the same *and* other classes in this *and all previous semesters*. The penalty for plagiarism may range from zero credit on the assignment to zero in the course, to expulsion from the university with appropriate notation in the student's permanent file. Self-plagiarism is also prohibited!

In addition, your instructor reserves the right to reject any work submitted by you which appears to be of a type or quality that is inconsistent with what the instructor perceives to be your previously-demonstrated comprehension of course materials. While your work is expected to improve over the semester, work which is of a quality entirely inconsistent with previous submissions or written communications will cause your instructor to question whether the work is your own or represents that of someone else. If this is suspected, your instructor will contact you directly to seek clarification.

Library Services

FIU on-line library services can be accessed through the FIU web site <http://library.fiu.edu/>. Suggested databases for this course include those of the ACM and IEEE.

Comments and Suggestions

If you have any comments or suggestions, please do not hesitate to contact your instructor.

Faculty Evaluation

Near the end of each semester, students will be asked to fill out a course evaluation form. These evaluations are completely anonymous. These evaluations are very important to FIU. They provide the University with meaningful information that assists in improving courses. Please take the time to complete these honestly and thoroughly.