

Research paper

Each student is asked to write a documented research paper of at least 1000 words on a topic chosen by the student and approved by the instructor, with scholarly sources.

The research paper is to clearly relate the topic researched to the core material of the course. Consider the paper to be within one or two topics in the course plan. Refer in your paper to some of the key concepts of the relevant course topics, defining some of those terms. The textbook and other course materials may be used as references.

Research will include discussion of *information technology* factors and *social, ethical, legal, economic, or historical* aspects of the topic. The research is to explore and acknowledge *different* points of view about the topic if appropriate.

The paper is to be in academic or scholarly style. Opinions are to be stated precisely and backed up with reasoning and specific facts. The tone is *expository* rather than *conversational* or *didactic*. A scholarly paper does not give advice or use the words “I” or “you,” for example. Check spelling and grammar.

The project will include three submission steps: proposal, preliminary draft, presentation of draft, and final paper.

Proposal (due in first month)

Include initial versions of:

- *Title* (specific to topic)
- *Abstract*: a paragraph or so about the topic, titled “Abstract,” including
 - some factual assertions about the topic
 - a statement of what you hope to learn (research question)
- *Sources*: initial list in bibliographic format

The research question matters. In your drafts of the paper, it can become a *thesis* that answers the research question.

You will undoubtedly change the abstract as your research proceeds.

Preliminary draft (due in second month)

Draft, to be submitted mid-semester, is to be at least 500 words and is to follow up on instructor comments on proposal; please resubmit proposal for this purpose.

Organization: Title, author, course, date, abstract, introduction, body (in numbered sections), conclusion, references.

For this version, abstract may contain a tentative *research thesis* that answers the research question. Support this thesis with factual evidence and reasoning.

Document facts or ideas provided by others by *citing* the sources *embedded* in the text of your paper. That is, place in your text at certain places a bracketed number or identifier, or an author and year in parentheses, or a footnote, referring to an item in your list of references.

Students will present preliminary research results briefly in class.

Final paper (due in third month)

Final paper is to be in hard copy and PDF format. Text is to follow up on instructor comments about preliminary draft (document the follow-up using *Track Changes*) and should be of quality to post publicly. Students will present final results in class.

Desired features

The criteria used in grading the paper include:

- abstract
- relevance to course material
- attention to technical factors
- attention to social aspect
- definitions of relevant terms
- support for thesis by factual evidence
- acknowledgement of other points of view
- quality of writing and organization
- use of sources
- length (possible extra credit if good quality and over 1000 words)

Links

For links to example papers with sample abstracts and sample bibliographic format, see www.framingham.edu/~dkeil.

Other links (courtesy J. Brooks):

- FSC library: <http://www.framingham.edu/wlibrary/>
- Full text journal finder:
<http://pj8tr3fm5l.search.serialssolutions.com/>
- E-journals:
<http://framingham.blackboard.com/webapps/discussionboard/do/finding/ejournals.htm>
- Print journals:
http://framingham.blackboard.com/webapps/discussionboard/do/finding/periodicals_subj.htm
- E-Resources by subject:
http://framingham.blackboard.com/webapps/discussionboard/do/finding/subject_guides.htm
- To find scholarly articles about your topic.
<http://scholar.google.com/>

Introductory assignment

A. Main idea and unclear concept

Please give

- a. The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- b. Any *unclear concepts* (consider looking at the list in part B)

B. Group work

Form a group of two or three students to prepare notes for a presentation on the topic named in a bullet on the slide, "Invitation." Research is not required; please consider giving personal stories and other specifics. Choose one student (recorder) to write the notes from the group discussion and a different student (reporter) to present, using these notes. Third student (facilitator) keeps discussion on track. Submit the notes with the names of group members, giving their roles in the process. Reporter reports Friday or Monday.

C. Self-introduction

Please post the following brief (1-paragraph or so, possibly short paragraphs) items at the Discussion Board under the heading, "Introduction":

1. A personal profile of yourself, writing whatever you feel comfortable saying to the rest of the class, such as your major, your other academic interests, your work life, your hobbies and sports, or your family life.
2. Some brief background on your knowledge of computers, technology, or the social sciences. This may range from knowledge of instant messages and word processing to database design and programming.
3. How do you feel about the effects of IT in your life and in the society?
4. Any questions or comments you have about the syllabus, including the paper, "What we do in my classroom," or on the experience of the group assignment.

Assignment for topic 1 (Technical background)

A. Main idea and unclear concept

Please give

- c. The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- d. Any *unclear concepts* (consider looking at the list in part B)

B. IT concepts

Classify and tag the concepts below, using a few categories. You may use the course IT glossary for definitions.

- | | | | |
|-------------------------|-------------------------|----------------------|-------------------------|
| 1. analog data | 14. digital data | 26. information | 38. query |
| 2. application software | 15. encryption | technology | 39. RAM |
| 3. bandwidth | 16. exporting data | 27. Internet | 40. social network |
| 4. bit | 17. fetch-execute cycle | 28. interoperability | 41. spreadsheet formula |
| 5. blog | 18. firewall | 29. ISP | 42. streaming video |
| 6. browser | 19. gigabyte | 30. malware | 43. TCP/IP |
| 7. byte | 20. hard disk | 31. named style | 44. Twitter |
| 8. client/server | 21. HTML | 32. network | 45. URL |
| 9. cloud computing | 22. HTTP | 33. operating system | 46. video conferencing |
| 10. computer hardware | 23. hyperlink | 34. packet | 47. Web 2.0 |
| 11. cookie | 24. importing data | 35. processor | 48. wiki |
| 12. data | 25. information | 36. program | 49. World Wide Web |
| 13. database | | 37. protocol | |

C. Objectives-related questions

Answer one question, corresponding to your classroom-ID, from each of the sections headed 1a, 1b, and 1d, of the “Longer answer” questions at the back of the topic-1 slides packet. Post at Discussion Board or submit on paper. Please restate question and give its number.

D. Collaborative writing about Facebook

Do one or both of the following, putting your name in parentheses after your contribution.

- a. Write a paragraph about your experiences with Facebook or other social media, or other knowledge you have about these. How do social media affect relationships among friends, in a family, or in a work environment? Put your contribution into the wiki about social media at *Student Tools / Campus Life Wiki* at Blackboard.
- b. Contribute to the editing and organization of the wiki in some way, by reordering some of the text in a more logical way, removing duplication, by adding a sentence or part of a sentence, or by questioning some text that you find there, using brackets.

Assignment for topic 2 (Social and ethical background)

Please submit your work on paper, giving your name, the date, the assignment number, and the letter, restating the question. In your answers, refer to social and technical aspects; support opinions with evidence and logic; and cite sources.

A. Main idea and unclear concept

Please give

- a. The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- b. Any *unclear concepts* (consider looking at the list in part B)

B. Topic-related concepts

Consider the concepts below that correspond to your classroom ID. Write or paraphrase definitions of these terms *and relate them to the course content*. Cite *sources* you use. You may use the wiki glossary.

Extra-credit option: find a term that is undefined in the wiki glossary and add a definition to the glossary.

- | | | | |
|-------------------------|---------------------------|---------------------------|--------------------|
| 1. capitalism | 9. individualism | 17. mode of development | 25. power |
| 2. claim rights | 10. Industrial Revolution | 18. mode of production | 26. production |
| 3. communitarianism | 11. industrialism | 19. morality | 27. rights |
| 4. consequentialism | 12. informationalism | 20. natural-rights theory | 28. sociology |
| 5. cyberethics | 13. Keynesianism | 21. negative right | 29. statism |
| 6. deontological ethics | 14. law | 22. network society | 30. synergy |
| 7. ethics | 15. liberal individualism | 23. policy choice | 31. utilitarianism |
| 8. globalization | 16. liberty | 24. positive right | |

C. Objectives-related questions

Answer one question, corresponding to your classroom-ID, from each of the sections headed 2a, 2b, and 2c of the “Longer answer” questions at the back of the topic-2 slides packet.

D. Text readings and case analysis

Please refer to the case (article) you are assigned, according to the table at bottom.

- a. Summarize the facts given, defining the relevant terms.
- b. Give the social or legal issues and implications and giving the technical developments that give rise to the social issues.
- c. Relate your case to the material in this topic, and reference relevant theories of ethics, legal principles, and categories of rights.
- d. Give your opinion on the issues involved. Support your opinion with specific facts and reasoning.
- e. Give counter arguments, if appropriate, and provide facts and logic supporting them.
- f. Give the source you used.

<i>ID</i>	<i>Reading</i>
1	D. Keil, “The informational society and the post-2008 economic crisis”
2	M. Castells, pp. 13-23
3	T. Friedman, “The world is flat”
4	An article you find (post it at Discussion Board)
5	M. Vardi, “The financial meltdown and computing”
6	G. Cook, “Trusting your instincts”
7	C. Rampell, “Companies spend on equipment, not workers”
8	P. Krugman, “Jobs, Jobs, and cars”
9	J. Calmes, “Obama voices theme of two choices for nation”
0	T. Friedman, “Something’s happening here”

Assignment for topic 3 (Security and privacy)

Please submit your work on paper, giving your name, the date, assignment number, letter, and problem number, restating the question.

A. Main idea and unclear concepts

Please give

- The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- Any *unclear concepts* (consider looking at the list in part B)

B. Concepts

Consider the concepts below that correspond to your classroom ID. Write or paraphrase definitions of these terms *and relate them to the course content*. Cite *sources* you use. You may use the wiki glossary. *Extra-credit option*: find a term that is undefined in the wiki glossary and add a definition to the glossary.

- anonymity
- click fraud
- communitarian view
- consumer profiling
- consumer-protection view
- Cybercrime Treaty
- data mining
- denial of service
- digital forgery
- encryption
- Fourth Amendment
- free-market view
- identity theft
- intrusion
- liberalistic view
- location monitoring
- opt-in
- privacy
- probable cause

- RFID
- search warrant
- secondary use
- seizure of evidence
- sexting
- USA PATRIOT Act
- virus
- warrant

C. Objectives-related questions

Answer two questions, numbered corresponding to your classroom ID, from the “Longer answer” questions at the back of the topic-3 slides packet: one on objective 3a and one on 3b.

D. Text readings and case analysis

Please refer to the case (article) that matches your classroom ID (also OK to find your own article).

- Summarize facts given, defining relevant terms.
- Give the social or legal issues and implications and giving the technical developments that give rise to the social issues.
- Relate your case to the material in this topic, and reference relevant theories of ethics, legal principles, and categories of rights.
- Give your opinion on the issues involved. Support your opinion with specific facts and reasoning.
- Give counter arguments, if appropriate, and provide supporting facts and logic.
- Give the source you used, including date and publication info.

Cases:

- C. Savage, “US wants stronger wiretap powers over Web”
- J. Bennett, “Privacy is dead”
- S. Sengupta and E. Rusli, “Personal data’s value? Facebook set to find out” (2/12)
- N. Perlroth, “We attacks may rattle consumers” (1/12)
- E. Schmitt, “US cyberattacks against Khadafy’s military debated before strikes” (10/11)
- E. Wyatt and T. Vega, “F.T.C. backs plan to honor privacy of online users”
- J. Parsons and D. Oja, “Do you want a national ID card?”, *Computer Concepts* 10th ed., Thompson, 2008
- S. Lipkin, “Over 27? Be wary” [sexting]
- C. Albenseius, “House approves FISA bill; strips Telcom immunity”
- S. Moore, “FBI and states vastly expand DNA databases”
- M. Freudenheim, “Ohio State says hackers breached data on 760,000”
- C. C. Miller and T. Vega, “Google introduces a social tool, and settles charges related to another”
- P. Schwartz, “When it crosses the line” [sexting]
- J. Parsons and D. Oja, “Are you being tracked?”, *Computer Concepts* 10th ed., Thompson, 2008
- T. Shanker, E. Bumiller, “Hackers gained access”
- E. Helms, “The right to sue over wiretapping”
- S. Sengupta, “British police make arrest in Net attacks”
- S. Daley, “On its own, Europe backs web privacy fights”
- H. Bray, “Plugging privacy leaks”
- J. Markoff, “Cars’ computer systems called at risk to hackers”
- E. Lichtblau and J. Risen, “Recent wiretapping’s scale exceeded law, officials say”

Assignment for topic 4 (Freedom of expression)

Please submit your work on paper, giving your name, the date, the assignment number, and the letter. Restate each question. In your answers, refer to social and technical aspects; support opinions with evidence and logic; acknowledge possible other opinions; and cite sources.

A. Main idea and unclear concept

Please give

- The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- Any *unclear concepts* (consider looking at the list in part B)

B. Concepts

Consider the concepts below that correspond to your classroom ID. Write or paraphrase definitions of these terms *and relate them to the course content*. Cite *sources* you use. You may use the wiki glossary. *Extra-credit option*: find a term that is undefined in the wiki glossary and add a definition to the glossary.

- | | | | |
|--------------------------------------|--------------------------------------|-----------------------------|-----------------|
| 1. challenge-response spam filtering | 6. First Amendment | 10. least-restrictive means | 16. remailers |
| 2. chilling effect | 7. global information infrastructure | 11. libel | 17. slander |
| 3. content blocking software | 8. hard and soft campaign financing | 12. media | 18. soft money |
| 4. cyberbullying | 9. Internet service provider | 13. media distributor | 19. spam filter |
| 5. defamation | | 14. net neutrality | |
| | | 15. publication | |

C. Objectives-related questions

Answer two questions, numbered as your classroom ID, from the “Longer answer” questions at the back of the topic-4 slides packet: one on objective 4a and one on 4b.

D. Text readings and case analysis

Please refer to the case (article) that matches your classroom ID (also OK to find your own article).

- Summarize facts given, defining relevant terms.
- Give the social or legal issues and implications and giving the technical developments that give rise to the social issues.
- Relate your case to the material in this topic, and reference relevant theories of ethics, legal principles, and categories of rights.
- Give your opinion on the issues involved. Support your opinion with specific facts and reasoning.
- Give counter arguments, if appropriate, and provide supporting facts and logic.
- Give the source you used, including date and publication info.

Cases:

- D. Johnson, “Is the global information infrastructure a democratic technology?”
- J. Glantz and J. Markoff, “Egypt leaders found ‘off’ switch for Internet”
- J. Preston and B. Stelter, “Cellphone cameras become world’s eyes and ears on protests”
- J. Zhuo, “Where anonymity breeds contempt”
- N. Kristof, “How pimps use the web to sell girls” (1/12)
- J. Preston, “While Facebook plays a star role in the revolts, its executives stay offstage”
- M. Landler, “U.S. policy to address Internet freedom”
- B. Stelter, “F.C.C. is set to regulate net access”
- J. York, “Grasping the new online reality: Associated networking sites link protesters...the U.S. shifts positions on Internet freedom”
- E. Goode, “Michigan town split on child porn charges”
- K. Starr, “Open up high court to cameras” (10/11)
- J. Parsons and D. Oja, “What’s wrong with online voting?”, *Computer Concepts* 10th ed., 2008
- The Nation*, “For digital democracy”
- D. Bennett, “Time for a muzzle”
- A. Liptak, “Justices reject ban on violent video games for children
- P. Kingsley, “Assange: The Internet could create a ‘totalitarian spying regime’
- S. Greenhouse, “Labor board restricts union use of email”
- T. Knapp, “Info wars”
- H. Bray, “Spam blocking makes big gains”
- J. Saltzman, “Libel ruling a threat, say media groups”
- E. Wyatt and T. Vega, “F.T.C. backs plan to honor privacy of online users”

Assignment for topic 5 (Intellectual property)

Please submit your work on paper, giving your name, the date, the assignment number, and the letter, restating the question. In your answers, refer to social and technical aspects; support opinions with evidence and logic; acknowledge possible other opinions; and cite sources.

A. Main idea and unclear concept

Please give

- a. The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- b. Any *unclear concepts* (consider looking at the list in part B)

B. Concepts

Consider the concepts below that correspond to your classroom ID. Write or paraphrase definitions of these terms *and relate them to the course content*. Cite *sources* you use. You may use the wiki glossary. *Extra-credit option*: find a term that is undefined in the wiki glossary and add a definition to the glossary.

- | | | | |
|-------------------------------------|---------------------------------|------------------------------------|---------------------|
| 1. Content Scramble System | 8. file sharing | 15. No Electronic Theft Act | 22. software patent |
| 2. copy protection | 9. free software | 16. patent | 23. takedown notice |
| 3. copyright | 10. intellectual artifact | 17. peer-to-peer file sharing | 24. trade secret |
| 4. derivative work | 11. labor theory of property | 18. personality theory of property | 25. trademark |
| 5. Digital Millennium Copyright Act | 12. look and feel | 19. public domain | |
| 6. digital rights management | 13. malleability of information | 20. reverse engineering | |
| 7. fair use | 14. MP3 | 21. safe harbor | |

C. Objectives-related questions

Answer two questions, numbered as your classroom ID, from the “Longer answer” questions at the back of the topic-5 slides packet: one on objective 5a and one on 5b.

D. Text readings and case analysis

Please refer to the case (article) that matches your classroom ID (also OK to find your own article).

- a. Summarize facts given, defining relevant terms.
 - b. Give the social or legal issues and implications and giving the technical developments that give rise to the social issues.
 - c. Relate your case to the material in this topic, and reference relevant theories of ethics, legal principles, and categories of rights.
 - d. Give your opinion on the issues involved. Support your opinion with specific facts and reasoning.
 - e. Give counter arguments, if appropriate, and provide supporting facts and logic.
 - f. Give the source you used, including date and publication info.
1. B. Sisario, “Piracy fight shuts down music blogs”
 2. G. Sandoval, “EFF’s Cohn fights copyright’s ‘underbelly’ (Q&A)”
 3. B. Stelter, “Comcast fee ignites fight over videos on Internet”
 4. T. Gabriel, “Plagiarism lines blur for students in digital age”
 5. L. Brooke, “Computer code an increasingly precious E. U. commodity”
 6. D. Lyons, “Android invasion”
 7. S. Baase, a Ch. 4 question of your choice
 8. S. Turow et al, “Would the Bard have survived the Web?”
 9. “Samsung countersues Apple on iPhone and iPod patents”
 10. D. Edwards, “New York man faces five years in jail for ‘linking’ to online videos”
 11. “The Internet: The war over pirated music, movies, and books” (2/12)
 12. “Protest on web takes on pending antipiracy bills” (2/12)
 13. D. Carr, “The danger of an attack on piracy online” (1/12)
 14. J. Schwartz, “Pursuing a piracy claim against Apple” (11/11)
 15. B. Stelter, “New time warp for ‘Doctor Who’”
 16. S. Baase, a Ch. 4 question of your choice
 17. J. Parsons and D. Oja, “What happened to fair use?”, Computer Concepts 10th ed., Thompson, 2008
 18. R. Stallman, “Why software should not have owners”

Assignment for topic 6 (Work, education, culture)

Due 11/3

Please submit your work on paper, giving your name, the date, the assignment number, and the letter, restating the question. In your answers, refer to social and technical aspects; support opinions with evidence and logic; acknowledge possible other opinions; and cite sources.

A. Main idea and unclear concept

Please give

- a. The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- b. Any *unclear concepts* (consider looking at the list in part B)

B. Concepts

Consider the concepts below that correspond to your classroom ID. Write or paraphrase definitions of these terms *and relate them to the course content*. Cite *sources* you use. You may use the wiki glossary.

Extra-credit option: find a term that is undefined in the wiki glossary and add a definition to the glossary.

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------|
| 1. audience diversification | 7. employer monitoring | 13. post industrialism | 19. telecommuting |
| 2. audit trail | policy | 14. real virtuality | 20. Web 2.0 |
| 3. bipolar work force | 8. job churn | 15. self-construction of | 21. wiki |
| 4. decentralized | 9. knowledge labor force | knowledge | 22. Wikipedia |
| management | 10. mass culture | 16. service economy | 23. worker autonomy |
| 5. disposable labor force | 11. mass media culture | 17. social contract | |
| 6. collaborative education | 12. offshoring | 18. social networking | |

C. Objectives-related questions

Answer three questions, numbered as your classroom ID, from the “Longer answer” questions at the back of the topic-6 slides packet: one on each of objective 6a, 6b, and 6c.

D. Case analysis

Solve the problem corresponding to the last digit of your classroom ID. In case of articles to be found, write up as in assignments 2-5. *Option:* Find An article relevant to topic 6 yourself.

- | | |
|--|---|
| 0. S. Rosenbloom, “For the plugged-in, too many choices” | 5. J. Fischman, “Liberal arts colleges venture into unlikely territory: online courses” |
| 1. V. Heffernam, “Keep your medium in mind” | 6. T. Parker-Pope: “Digital flirting: Easy to do, and easy to get caught” |
| 2. J. Franzen, “Liking is for cowards; go for what hurts” | 7. M. Castells, “The culture of real virtuality” |
| 3. C. Rotella, “Tuition lost on the techno-dependent” | 8. J. Sharkey, “A meeting in New York? Can’t we videoconference?” |
| 4. P. Pirolli, “Cyber infrastructure for social action on national priorities” | 9. B. Keller, “The University of Wherever” |
| | 10. S. Baase, a Ch.-6 question of your choice |

Assignment for topic 7 (Risks)

Please submit your work on paper, giving your name, the date, the assignment number, and the letter, restating the question. In your answers, refer to social and technical aspects; support opinions with evidence and logic; acknowledge possible other opinions; and cite sources.

A. Main idea and unclear concept

Please give

- c. The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- d. Any *unclear concepts* (consider looking at the list in part B)

B. Concepts

Consider the concepts below that correspond to your classroom ID. Write or paraphrase definitions of these terms *and relate them to the course content*. Cite *sources* you use. You may use the wiki glossary. *Extra-credit option*: find a term that is undefined in the wiki glossary and add a definition to the glossary.

- | | | | |
|----------------------------|-------------------------|--------------------------|--------------------------|
| 1. code of ethics | 7. fault tolerance | 13. risks in system | 17. system specification |
| 2. conflict of interests | 8. input validation | development | 18. testing practices |
| 3. digital divide | 9. interface principles | 14. safety-critical | |
| 4. digital image and video | 10. model | application | |
| 5. electronic voting | 11. professional ethics | 15. software engineering | |
| 6. error detection | 12. redundancy | 16. system development | |

C. Objectives-related questions

Answer two questions, numbered as your classroom ID, from the “Longer answer” questions at the back of the topic-7 slides packet: one on objective 7a and one on 7b.

D. Text discussion

Please refer to the case (article) that matches your classroom ID.

- c. Summarize the facts given, defining the relevant terms.
- d. Give the social or legal issues and implications and giving the technical developments that give rise to the social issues.
- c. Relate your case to the material in this topic, and reference relevant theories of ethics, legal principles, and categories of rights.
- d. Give your opinion on the issues involved. Support your opinion with specific facts and reasoning.
- e. Give actual or possible counter arguments, if appropriate, and provide facts and logic supporting them.
- f. Give the source you used.
 1. a problem in Baase, pp. 394-398
 2. a problem in Baase, 446-449
 3. T. Wallack, “‘Glitch’ disrupts Citizens Bank” (10/11)
 4. J. Parsons and D. Oja, “Who’s Minding the Asylum?”
 5. [item on robotic surgery]
 6. M. Freudenheim, “Panel set to study safety of electronic patient data”

Assignment for topic 8 (Globalization and decentralized structures)

Please submit your work on paper, giving your name, the date, the assignment number, and the letter, restating the question. In your answers, refer to social and technical aspects; support opinions with evidence and logic; acknowledge possible other opinions; and cite sources.

A. Main idea and unclear concept

Please give

- The *main* point or idea about this topic that *you* get from your reading and the classroom discussion
- Any *unclear concepts* (consider looking at the list in part B)

B. Concepts

Consider the concepts below that correspond to your classroom ID. Write or paraphrase definitions of these terms *and relate them to the course content*. Cite *sources* you use. You may use the wiki glossary. *Extra-credit option*: find a term that is undefined in the wiki glossary and add a definition to the glossary.

- | | | | |
|--------------------------------|------------------------------|----------------------------|---------------------------|
| 1. customer-centric enterprise | 3. flat management hierarchy | 6. just-in-time delivery | 10. network society |
| 2. decentralization | 4. hierarchical structure | 7. liberalization of trade | 11. organization |
| | 5. horizontal structure | 8. mass customization | 12. total quality control |
| | | 9. network enterprise | 13. vertical structure |

C. Objectives-related questions

Answer three questions, numbered as your classroom ID, from the “Longer answer” questions at the back of the topic-8 slides packet: one on each of objectives 8a, 8b, and 8c.

D. Text readings and case analysis

Please refer to the case (article) that matches your classroom ID.

- Summarize the facts given, defining the relevant terms.
- Give the social or legal issues and implications and giving the technical developments that give rise to the social issues.
- Relate your case to the material in this topic, and reference relevant theories of ethics, legal principles, and categories of rights.
- Give your opinion on the issues involved. Support your opinion with specific facts and reasoning.
- Give actual or possible counter arguments, if appropriate, and provide facts and logic supporting them.
- Give the source you used.
 - Reading by M. Resnick (hard-copy handout and <http://web.media.mit.edu/~mres/papers/decentralized-modeling.pdf>).
 - T. Friedman, “The World Is Flat”
 - D. Keil, The information society and the post-2008 economic crisis
 - M. Hardt and A. Negri, “Arabs are democracy’s new pioneers”
 - An article on decentralization you find
 - J. Markoff, “A fight to win the future: computers vs. humans”

Summary assignment

Optional, extra credit

1. Answer any questions of your choice.
2. How have your perspectives on the course material changed as a result of
 - (a) group work,
 - (b) comments on your work from other students,
 - (c) comments from the instructor?
3. What ideas or passages in the textbook most engaged you or most changed the way you thought?
4. If you were to present a workshop on IT and Society for a high-school class, what would be your outline and main points?
5. What surprised you in the process of
 - (a) doing the research paper?
 - (b) preparing and making presentations?
 - (c) preparing for class discussion?
6. How do you expect *future* changes in information technology to affect you and how will you ready yourself for them?
7. What issues have been raised by changes in IT, with respect to the Fourth Amendment?
8. Discuss issues of security, privacy, intellectual property, and ethics related to changes in cell phone availability and use.
9. Do hosts of social networking sites have an ethical obligation to prevent posting of malicious and false stories about people on members' sites? What recourse should there be and is now available? Should material at the sites be considered valid evidence in legal cases over defamation?
10. Discuss the impact of IT in higher education and in the work workplace, in the areas of privacy, intellectual property, free expression, and risks with IT. You are invited here to say what you think may be some future developments with use of technology at FSC, starting with current uses and discussing possible problems or issues that may arise from changes.

Preparation and participation assignment

This course requires that students prepare for sessions and participate, both in class and on the Discussion Board. This counts more than attendance.

Students are asked to keep a journal of notes on readings, with thoughts, comments on sources, on the process of doing assignments, and on classroom discussion.

Journal may be posted at Discussion Board or submitted on paper or by email, in parts or as a whole.

Fulfillment of four course objectives

The following objectives will be assessed by observing student performance of them and (9b and 9c) by assessing student reflection on these experiences:

- 9b. Work in a group, collectively producing written results
- 9c. Make a presentation on part of the course material
- 9d. Support opinions by evidence
- 9e. Acknowledge alternative points of view

As the objectives are attained, a column at the Grade Center on Blackboard will reflect the progress.

Assessment of essays in this course

Grading each question or criterion on quizzes and assignments is on a scale of 0 (0%) to 1.0 (100%). To compute grade for an assignment or quiz, the scores on that scale are each multiplied by the relative weights of the criteria or questions, yielding a total score of 0 to 100.

Some criteria used in grading essay questions in assignments and quizzes are:

- reference to technical factors
- reference to social aspect
- definition of terms
- support for opinions by evidence
- reference to other points of view
- quality of writing
- use of sources
- length
- organization