

CENG 411

professional issues in computer engineering

contact

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weekly

	MON	TUE	WED	THU	FRI
08:45			office		
09:45			411		
10:45			411		
11:45			411		
13:30					
14:30					
15:30					
16:30					

links

lectures



must see videos



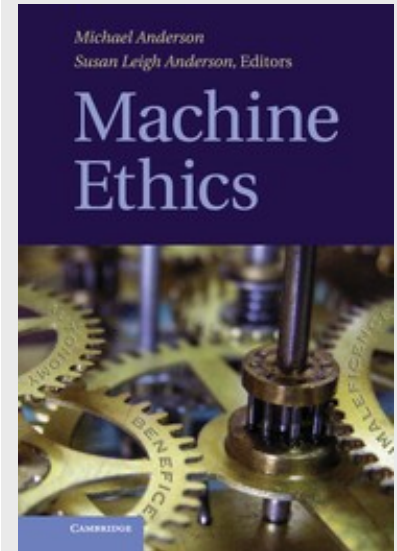
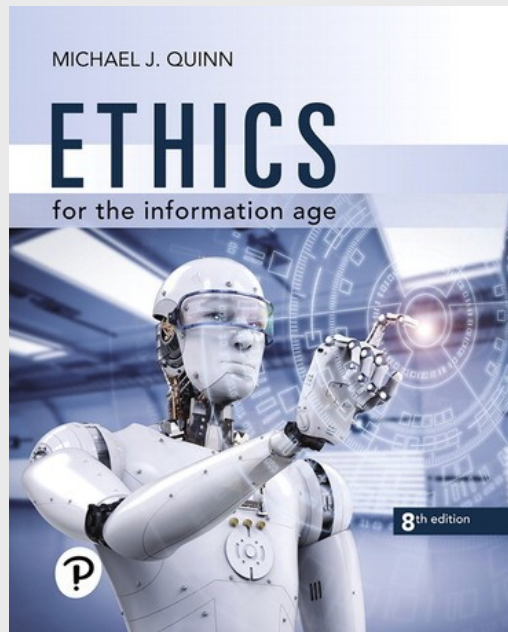
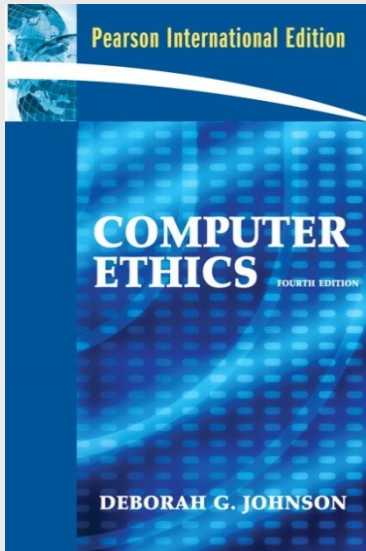
my website



Microsoft Teams code : 5cdoy3o

textbooks and reference

- **Computer Ethics**, 4th Edition (2009) Prentice-Hall [Deborah G. Johnson] **(textbook)**
- **Ethics for the Information Age**, 8th Edition (2020) Addison-Wesley [Michael J. Quinn] **(textbook)**
- *Ethics in Information Technology*, 6th Edition (2018) Cengage Learning [George W. Reynolds]
- *Machine Ethics*, 1st edition (2011) Cambridge University Press [Michael Anderson & Susan L. Anderson]



outline

0. historical overview
1. introduction to sociotechnical computer ethics (Johnson.1)
2. introduction to ethics (Quinn.2, Johnson.2, *Reynolds.1*)
3. ethics in IT configured societies (Johnson.3, Quinn.3, *Reynolds.5,8,9*)
4. information flow, privacy and surveillance (Johnson.4, Quinn.5&6, *Reynolds.4*)
5. digital intellectual property (Johnson.5, Quinn.4, *Reynolds.6*)
6. digital order (Johnson.6, Quinn.6, *Reynolds.3*)
7. computer reliability (Quinn.7, *Reynolds.7*)
8. professional ethics in computing (Johnson.7, Quinn.9, *Reynolds.2,10*)

evaluation

(40%) midterm **(22.11.2023)** **(TENTATIVE!)**

(50%) final exam **(10.01.2024)** **(TENTATIVE!)**

(10%) term paper: (p.2 p.3. p.4 p.6 p.7. p.8) **(03.01.2024)**

step 1. read all the short stories in the book "I, Robot" (1950) by Isaac Asimov

step 2. watch the movie "2001, A Space Odyssey" (1968)

step 3. watch the movie "The Thirteenth Floor" (1999)

step 4. watch the movie "The Matrix" (1999)

step 5. watch the movie "Wall-E" (2008)

step 6. watch selected episodes of tv series "Black Mirror" (2011 – 2023)

(s1e3, s2e1, s2e2, s2e3, "white christmas", s3e1, s3e3, s3e4, s3e5, s4e2, s4e4, s5e1, s6e3)

step 7. prepare an essay about "What should (or shouldn't) computer professionals do to avoid a possible computing dystopia?" (min 300, max 500 words)

official make-up procedure

- missing midterm : final+
- missing final : make-up exam

about attendance

- **411_course_attendance_and_participation_requirements.pdf**