



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Computer Information Systems Department

CIS 200 Professional & Ethical Issues in Computing

Course Catalog

1 Credit hours 1 h lectures): This course introduces students to the social context of the IT industry and its practices. These include professional and ethical responsibilities in the analysis and design of systems. Also, in ensuring the safety of work environments, risks and liabilities of computer-based systems, intellectual property, computer crime, privacy and economic issues in computing.

Text Book(s)

Title	Ethics and Technology
Author(s)	Herman T.Tavani
Publisher	Wiley
Year	2011
Edition	3 rd Ed.

Instructors

Instructor	Rawan T. Khasawneh
Office Location	Medical building, Ph2 level 0
Office Phone	
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Class Schedule & Room

Section	Time	Days	Room	Instructor
2	03:15-04:15	Sunday, Tuesday, Thursday	SF08	Rawan T. Khasawneh
4	03:15-04:15	Sunday, Tuesday, Thursday	SF08	Rawan T. Khasawneh
6	03:15-04:15	Sunday, Tuesday, Thursday	SF08	Rawan T. Khasawneh

Office Hours

Rawan T. Khasawneh:
Monday and Wednesday: 11:30-12:30
Sun, Tues, Wed 12:00 – 13:00

Teaching Assistant

TBD

Prerequisites

Prerequisites by course	None
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Topics Covered		
Topics	Chepters in Text	Week number
Why we need to learn about ethics	Chapter 1	1
Introduction to ethics	Chapter 1	2
Cyberethics evolution: four development phases	Chapter 1	3
Traditionalists and uniqueness proponents view of ethical issues	Chapter 1	4
Ethics and morality	Chapter 2	5,6
Ethical theories: utilitarianism, deontology, contract-based, and character-based	Chapter 2	7,8
Introduction to privacy: what, exactly, personal privacy is, and why it is important	Chapter 5	9
Classical theories of privacy	Chapter 5	10
Cybertechnology techniques that threaten privacy	Chapter 5	11
Protecting personal privacy in public space	Chapter 5	12
Privacy-enhancing technologies	Chapter 5	13

Course Objectives				
No.	Object	Mapping Course Outcome	Mapping Program Outcome	Assessment Methods
1	Create an understanding of some foundational ethical concepts and methodological frameworks that can be used in cyberethics issues analysis	1, 2, 3, 4, 5, 6, 7, 8	3, 7, 8, 9	Exams & Quizzes
2	Create an understanding of modern moral problems and how they can be evaluated using different ethical theories.	5,6,7	3, 7, 8, 10	Exams & Quizzes
3	Create an understanding of several ethical issues involving privacy and cybertechnology.	8, 9, 10, 11	3, 7, 8, 9, 10	Exams & Quizzes

Course Outcomes		
No.	Outcome	Related Chapters
1	Explain why we need to learn about ethics	Ch 1
2	Define key terms such as cyberethics, cybertechnology, ethics, and personal privacy	Ch1, 2, 5
3	Describe key development phases of cybertechnology and cyberethics	Ch1
4	Consider whether there is anything unique or special about cyberethics issues	Ch1
5	Explain how ethics is different from morality	Ch2
6	Explain the key elements that make up a moral system: describe from where these elements come from, and how they can be justified	Ch2
7	Explain ethical theories and describe how each theory different from others	Ch2
8	Describe personal privacy and how it can be valued	Ch5

9	Explain traditional theories of privacy	Ch5
10	Describe how personal privacy can be protected in public space	Ch5
11	Describe how technologies can be used to protect personal privacy (privacy-enhancing technologies)	Ch5

Program Outcomes	
No.	Outcome
1	An appropriate mastery of the knowledge, techniques, skills, and modern tools of their disciplines
2	An ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering, and technology
3	An ability to critically analyze a business problem within its unique context
4	An ability to design regular or innovative IT-based solutions
5	An ability to identify, analyze and solve technical problems
6	An ability to function effectively and efficiently on teams of different specialties
7	A recognition of the need for, and an ability to engage in lifelong learning
8	An ability to understand professional, ethical and social responsibilities
9	A respect for diversity and a knowledge of contemporary professional, societal and global issues
10	A commitment to quality, timeliness, and continuous improvement
11	An ability to participate and/or supervise the implementation of IT-based solutions

Relationship to program outcomes (score out of 5)													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4				3	4	4	3				

Evaluation					
Assessment Tool	Expected Due Date				Weight
	Day	Date	Time	Place	
1st Exam	TBD	TBD			30%
2nd Exam	TBD	TBD			30%
Final Exam	TBD	TBD			40%

Policy	
Attendance	Attendance is very important for the course. In accordance with university policy, students missing more than 20% of total classes are subject to failure. No excuses will be accepted. Penalties may be assessed without regard to the student's performance. Attendance will be recorded at the beginning or end of each class.
Activities	Several activities including quizzes will be given in different dates during the semester.
Exams	All exams will be CLOSE-BOOK. The date of the Exams will be scheduled according to the department schedule

Learn about ethics in information technology with free interactive flashcards. Choose from 500 different sets of flashcards about ethics in information technology on Quizlet. ethics in information technology. SETS. 121 terms. mannequinchaos. Ethics in information technology. Code of Ethics. Common Good Approach. Corporate Ethics Officer. Ethics. The standards of acceptable behavior developed by and for members. Respect and compassion for all others is the basis for ethical. Yes, the ethics of technology will in one way or another guide people on how technology ought to be used in order to prevent abuse and other unfortunate results. The ethics of responsibility is an appropriate theory that can be used in dealing with... Ethics of technology is a sub-field of ethics addressing the ethical questions specific to the Technology Age, the transitional shift in society where personal computers and subsequent devices have been introduced to provide users an easy and quick way to transfer information. Ethics in technology has become an evolving topic over the years as technology has developed. The Ethics/Philosophy of Technology Section of Delft University of Technology is looking for a Ph.D. candidate who is eager to contribute to the ethically desirable implementation of wastewater technologies, focusing on ownership and responsibility. Ph.D. position The objective of the project is to gain insight into the socio-ethical considerations that are relevant for the...