



Ethics in Information Technology

Course: CIS111	Lecture 3 Credit(s) 3 Period(s) 3 Load
First Term: 2014 Fall	Course Type: Occupational
Final Term: Current	Load Formula: S- Standard

Description: Ethical issues that arise as a result of increasing use of computers, and the responsibilities of those who work with computers, either as computer science professionals or end users. Critical inquiry and review of ethical challenges in information technology business, including professional and corporate responsibility, government regulation, fiduciary responsibilities of information, infringement of intellectual property, security risk assessment, Internet crime, identity theft, employee surveillance, privacy, compliance, social networking, and the ethics of IT corporations.

Requisites: Prerequisites: None.

MCCCD Official Course Competencies

1. Describe a variety of different ethical theories. (I)
2. Describe professional business ethics and the complexities of making ethical judgments. (I)
3. Describe issues relating to corporate ownership, corporate governance, and responsiveness to corporate stakeholders. (II)
4. Explain how social media responsibility encompasses economic, legal, ethical, and privacy issues. (II)
5. Explain whistle-blowing and protection for whistle-blowers. (II)
6. Describe the major ethical challenges of operating in a healthcare environment using mobile and wireless technologies. (II)
7. Explain fiduciary responsibilities of private information. (II)
8. Describe issues with software and software liability. (III)
9. Explain cost/benefit analysis in information technology ethical decision-making. (III)
10. Describe the influence of government regulations as well as professional self-regulation and sanctions in ethical information technology decision-making. (IV)
11. Explain intellectual property, copyright laws, and fair use doctrine. (IV)
12. Define hate speech and defamation. (V)
13. Review contemporary issues related to workplace monitoring. (V)
14. Describe the major identity theft issues. (V)
15. Describe Information Technology security breaches and risk assessments. (V)
16. Define security policies within Information Technology. (V)
17. Describe professional codes of ethics for Information Technology professionals. (V)
18. Describe prevention, detection, and responses to Information Technology security attacks. (V)

MCCCD Official Course Outline

- I. Ethics and Ethical Theories
 - A. Sources of ethical theories
 - B. Definition of professional Information Technology ethics
 - C. Application of ethical theories to business
- II. Corporate and Individual Responsibilities
 - A. Responsibilities to shareholders

- B. Responsibilities to stakeholders
 - C. Social media responsibility
 - D. Healthcare information privacy issues with mobile and wireless technologies
 - E. Fiduciary responsibilities concerning private information
 - F. Whistle-blower rights and responsibilities
- III. Obligations in the Information Technology Profession
- A. Describe liabilities related to software
 - B. Give examples of secure coding
 - C. Give examples of cost/benefit analysis in information technology ethical decision-making
- IV. Decision-Making in Information Technology
- A. Describe the influence of government regulations and professional self-regulation The professional and corporate social audit
 - B. Describe intellectual property, copyright laws, and fair use doctrine
- V. Application of Ethics to Specific Areas of Information Technology
- A. Explain hate speech and defamation
 - B. Explain privacy issues related to workplace monitoring
 - C. Give examples of Information Technology security breaches and risk assessments
 - D. Define security policies within Information Technology
 - E. Describe prevention, detection, and responses to Information Technology security attacks
 - F. Describe the major identity theft issues
 - G. Describe the professional code of ethics for Information Technology professionals
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MCCCD Governing Board Approval Date: **June 24, 2014**

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