

Ministry of Education
University of Computer Studies, Yangon
Diploma in Computer Science
Syllabus and Lecture Plan for Ethic in Information Technology

Course Description

The Ethic in Information Technology course covers the fundamental theory of ethics, approaches of ethical decision-making, internet crime and law of privacy protection. This course is designed for students in order to have responsible to ensure that computer technology does not used in the wrong ways which can harm people, environment and the society. It is also intended to develop a set of beliefs, attitudes, and habit that IT professionals should display concerning morality.

Students who complete this course will be able to accept responsibility in making decisions consistent with the safely, health and welfare of the public and to disclose. The student will also be able to seek, accept, and offer honest criticism of technical work, to acknowledge and correct errors, and to credit properly the contributions of others. The Ethic in Information Technology course includes good business ethics, professional codes of ethics, type of attacks, perpetrator types and the right of privacy.

Course Learning Outcomes

Upon completion of the Ethic in Information Technology, students will be able to perform the following tasks:

- Discuss and suggest about the process of ethic in business
- Know the important of ethics in professional relationship and role that certification and licensing have (or don't have) in legitimizing professional standard.
- Classify the kinds of computer crime and computer crime perpetrators.
- Know how to manage security vulnerabilities and respond to specific security incidents.
- Discuss and suggest the concept about how much information can be gathered, who it can be shared with, how the information is gathered in the first place, and how it is used.
- Choose the action or policy that has the best overall consequences for all persons directly or indirectly affected
- Make decision making with fairly actions and policies.
- Apply to business world by equating the virtues of a good businessperson with those of a good person.

Course Outline

1. An Overview of Ethics: Introduction to ethics, ethics in business, and the relevance of the discussion of ethics to information technology. Some philosophical approaches to ethical decision-making are discussed and suggested.
2. Ethics for IT Professionals and IT Users: The important of ethics to an IT professional in their professional relationships and role.
3. Computer and Internet Crime: The types of ethical decision IT professionals must make , and the business needs that must be balanced, in dealing with security issues.
4. Privacy: The issue of privacy and the effect that the use of information technology has on privacy rights.
5. Utilitarianism: Ethical decision-making states a choice between alternative actions or social policies.
6. Kantian Ethics : Ethical theories states that action are moral or immoral because of nature not because of consequences
7. An Ethic of Justice: ethical decision-making focuses on how fairly actions and policies distribute benefits and burdens among those affected by the decision.
8. Virtue Ethics: Ethical decision-making focuses on how to behave and how to think about relationships in daily life.

Course Resources

- Ethics in Information Technology by George Reynolds
- Fundamental of Ethical Theories by Karen Lieberman, Bruce Nissen (2nd Edition)

Assessments

Class Attendance	10%
Quiz	20%
Assignment	20%
Final Exam	50%

Instructor

Dr. Khaing Htet Win

Khainghtetwin86@ucsy.edu.mm

+95997307386

Faculty of Computer System and Technologies

University of Computer Studies, Yangon

Lecture Plan

Unit	Course Title	Learning Hours	Learning Strategy	Assessment
1	An Overview of Ethics <ul style="list-style-type: none">• What are Ethics?• Ethics In The Business World• Ethics in Information Technology	3	Lecture & Discussion	Quiz & Assignment
2	Ethics for IT Professionals and IT Users <ul style="list-style-type: none">• IT Professionals• The Ethical Behavior of IT Professionals• IT Users	5	Lecture & Discussion	Quiz & Assignment
3	Computer and Internet Crime <ul style="list-style-type: none">• IT Security Incidents: Worsening Problem• Reducing Vulnerabilities	4	Lecture & Discussion	Quiz & Assignment

4	<p>Privacy</p> <ul style="list-style-type: none"> • Privacy Protection and Law • Key Privacy and Anonymity Issues : Data Encryption • Key Privacy and Anonymity Issues : Consumer Profiling 	4	Lecture & Discussion	Quiz & Assignment
5	<p>Utilitarianism: The Greatest Good</p> <ul style="list-style-type: none"> • What is the “Good”? • Pleasure and Pain • The Quality of Happiness • Strong points of Utilitarianism • A Major Criticism of Utilitarianism • Two Types of Utilitarianism 	4	Lecture & Discussion	Quiz & Assignment
6	<p>Kantian Ethics: Duties and Rights</p> <ul style="list-style-type: none"> • What is Our Duty? • Concept of Rights • Strength and Criticism of Kant’s System 	4	Lecture & Discussion	Quiz & Assignment
7	<p>An Ethic of Justice: Treating Other Fairly</p> <ul style="list-style-type: none"> • Distributive Justice • John Rawl: Justice as Fairness • Retributive Justice • Compensatory Justice 	4	Lecture & Discussion	Quiz & Assignment
8	<p>Virtue Ethics: Aristotle and the Good Life</p> <ul style="list-style-type: none"> • Aristotle: A Virtuous Character • The Relationship of Virtues of Human Nature • Criticisms of Virtue Ethics 	4	Lecture & Discussion	Quiz & Assignment
	Total	32		