**UNIVERSITY OF THE CORDILLERAS**

**College of Information Technology and Computer Science**

**Course Syllabus in Professional Ethics and Computing Issues**

**2nd Trimester, SY 2011-2012**

1. **Course Code:** ITCS 231

3 units

Thrice a week – 4 hours and 15 minutes

1. **Course Description:**

This course relates ethics and values education in the highly technical field of computers and aims to guide the students in choosing wisely his values and acting upon them so that in the end, they will be called IT professionals, in the true sense of the world. The course also deals with the study on the basic concepts of ethics, moral practices and the discussion of policy issues relevant to IT professionals. It examines the ethical issues that arise as a result of the increasing use of computers, and the responsibilities of those who work with computers, either as IT professionals or end users as well as the corresponding formulation and justification of governmental and organizational policies for ethical uses of such technology.

1. **Prerequisite:**

ITCS 111

1. **General Objectives:**

At the end of this course, the students should be able to:

1. define the basic concepts of ethics and values education;
2. apply basic concepts of ethics in the field of computers;
3. identify the values which will be most relevant to their chosen field;
4. describe and demonstrate the importance of information policies in the development of ICT; and
5. apply and act as IT Professionals.
6. **Bases of Evaluation:**
7. Active and relevant participation in class activities, quizzes, assignments, research outputs, examinations and the like
8. The standard grading system of the Institution shall be used
9. **Grading System:**

**Prelim Grade / Prelim Score**

50% Class Standing + 50% Prelim Exam

**Tentative Midterm Score**

50% Class Standing + 50% Midterm Exam

**Midterm Grade**

50% Prelim Score + 50% Tentative Midterm Score

**Tentative Final Score**

50% Class Standing + 50% Final Exam

**Final Grade**

25% Prelim Score + 25% Midterm Score + 50% Tentative Final Score

Note: CS is composed of group activities, seat works, quizzes, assignments, research outputs and recitations

Scores are transmuted to an equivalent grade where a score of at least 50% would be the minimum passing grade of 75. .

1. **Course Content:**

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| **UC PHILOSOPHY,VISION, MISSION, OBJECTIVES** | **SPECIFIC OBJECTIVES** | **CONTENT** | **TIME FRAME** | **INSTRUCTIONAL MODE** | **LECTURE ACTIVITIES** |
| **MISSION (FILL)**  UC’s mission is to provide FUNCTIONAL knowledge and skills, dynamic INTERACTION and LEADERSHIP in various disciplines for a better quality of LIFE. | To define and discuss the importance of ethics, values, professional ethics and morality. | Introduction to Ethics | 4 hours | Lecture-discussion  Brainstorming  Recitation | Quiz on course content |
| To define and explain the modifiers of human actions. | The modifiers of human acts | 1 hour | Lecture discussion  Recitations  Demonstrations | Case Analysis on scenarios depicting modifiers of human acts |
| To distinguish ethical theories. | Ethical Theories | 1 hour | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Case Analysis on Ethical Theories |
| To identify the steps in decision making. | Framework for Ethical Decision Making | 1 hour | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Quiz on course content |
| To describe how does code of ethics, professional organizations, certification, and licensing affect the ethical behavior of IT professionals | Ethics for IT Professionals and IT Users | 2 hour | Panel Discussion  Lecture discussion  Group Dynamics | Quiz on course content  Case Analysis on ethical situations |
| To identify common ethical issues that face IT users. | IT Users and Common Ethical Issues | 2 hours | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Quiz on course content  Case Analysis on ethical issues involving IT users |
| To evaluate and discuss the ten commandments of cyber ethics. | Cyberethics | 4 hours | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Case Analysis on cyberethics |
| **PRELIM EXAM** | | | | | |
| **PHILOSOPHY (ERA)**  UC believes that EDUCATION is the foundation of a progressive nation in the REARING of the youth towards civil efficiency and the development of moral character that the benefits of higher education should be made ACCESSIBLE to everyone who deserves it. | To assess the right of privacy and the basis for the protection of an individual’s privacy under the law. | Privacy | 6 hours | Panel Discussion  Lecture discussion  Group Dynamics  Debate  Recitations | Case Analysis on Privacy Issues |
| To assess the various forms of intellectual rights and be acquainted with the IPR law. | Intellectual Property | 6 hours | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Case Analysis on Intellectual property rights |
| To evaluate different types of cyber crimes, its nature and scope and discuss how to combat cyber crimes. | Cyber Crimes | 6 hours | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Case Analysis on Cybercrimes |
| **MIDTERM EXAM** | | | | | |
| **VISION (SIPAT)**  UC envisions itself as a community of SCHOLARS aggressively INVOLVED in the pursuit of knowledge who help PRESERVE Filipino culture and values to ACT POSITIVELY by training them to THINK CRITICALLY AND CREATIVELY. | To identify the principles of freedom of expression embodied in national or international law and explain the impact of computer technology on free speech | Freedom of Expression | 6 hours | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Case Analysis on freedom of expression |
| To assess the implications of agent-based decision making and discuss the social, legal and professional aspects of intelligent system | The Use of Artificial Intelligence and Expert System | 6 hours | Panel Discussion  Lecture discussion  Group Dynamics  Recitations | Case Analysis on AI and ES |
| To apply a personal standpoint in relation to the ethical and social consequences associated with database society | Towards the Future: Some Ethical and Social Questions | 5 hours | Panel Discussion  Lecture discussion  Group Dynamics  Recitations  Film Viewing | Quiz on course content |
| **FINAL EXAM** | | | | | |
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1. **References:**

1. Books

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| Philipp, A. (2010). Hacking Exposed, Computer Forensics: Secrets and Solutions.(2nd ed.). New York: McGraw.  Hayden, L. (2010). IT Security Metrics: A Practical Framework for Measuring Security and Protecting Data. McGraw-Hill Osborne Media.  Newman, Robert C. (2010). Computer Security : Protecting Digital Resources. Sudbury, Mass. Jones and Bartlett.  Reynolds, G. (2010). Ethics in Information Technology. Boston, MA: Course Technology.  Philipp, A. (2010). Hacking Exposed, Computer Forensics: Secrets and Solutions.(2nd ed.). New York: McGraw.  Duquenoy, P., Jones, S., Blundell, B. (2008). Ethical, Legal and Professional Issues Computing. Pasig City: Cengage Learning Asia.  Hartman, Laura Pincus. (2008). Business Ethics : Decision-making for Personal Integrity and Social Responsibility.  Panza, (2010). Ethics for Dummies. New Jersey, USA: Wiley Publishing.  DesJardins, Joseph R.(2009). An introduction to Business Ethics. |
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http://www.bbc.co.uk/ethics/introduction/intro\_1.shtml

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<http://www.computerworld.com>

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<http://spam.abuse.net/overview/>

<http://www.sendmail.org/antispam.html>

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<http://www.wilsonweb.com/search/cat.php?querytype=category&subcat=mm_Privacy>

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<http://www.ipophil.gov.ph/>

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<http://www.chanrobles.com/legal7ipcp.htm>

http://digitalenterprise.org/ip/ip.html

Cybercrimes. Retrieved September 2011 from

<http://www.gmanews.tv/story/202234/almost-half-of-cybercrimes-in-rp-unresolved-report>

<http://www.fbi.gov/about-us/investigate/cyber/cyber>

<http://www.manilatimes.net/index.php/component/content/article/86-special-reports/10628-pass-anti-cybercrime-law>

<http://www.cyberlaws.net/cyberindia/cybfaq.htm>

[http://technoracle.blogspot.com/2011/09/why-cyber-crimes-are-thriving-in-canada.html](http://technoracle.blogspot.com/2010/09/why-cyber-crimes-are-thriving-in-canada.html)

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