### CIT 4301 Professional Ethics in IT

**Contact Hours:** 45 hours

**Prerequisites: CIT 4206**

**Purpose:** To critically review of professional issues relating to ICT as a professional discipline.

**Expected Learning Outcomes**

At the end of this course the student should be able to:

1. Explain the relevance of a code of conduct to professional practice in computing.
2. Describe the legal issues related to information systems development and operation.
3. Develop a computer use policy with enforcement measures.
4. Evaluate the various professional codes of ethics in ict.
5. Distinguish among patent, copyright and trade protection.

**Course Content**

Code of Conduct in Professional Practice within IS: Professional responsibility, Functions of codes of conduct, licensing, code of conduct components. Codes of Conduct: IMIS Code of Ethics, ACM/IEEE – CS, Professional Practice. BCS Code of Conduct. Computer Contracts. Intellectual Property Rights. Health and Safety at Work. Software Safety. Computer Misuse and Criminal Law. Personal skills of the IS Professional. Professional Development.

**Mode of Delivery**

Lectures, tutorials.

**Instructional Materials /Equipment**

A computer and forensics laboratory, lecture notes, illustration charts, journals, overhead presentation equipment.

**Assessment**

Type Weighting (%)

Examination 70%

Continuous Assessment 30%

Total 100%

**Teaching Methodology**

Lectures, tutorials.

**Recommended Texts and Journals**

1. Tavani, H. T. (2016). *Ethics and Technology: Controversies, Questions, and Strategies for Ethical Computing* (4th ed.). Hoboken, NJ: John Wiley & Sons, Inc. ISBN: 111925681X.
2. Lucas, G. (2016). *Ethics and Cyber Warfare: The Quest for Responsible Security in the Age of Digital Warfare* (1st ed.). Oxford, UK: Oxford University Press. ISBN: 0190276525.
3. Winston, M. E., & Edelbach, R. (2014). *Society, Ethics, and Technology* (5th ed.). Boston, MA: Cengage Learning. ISBN: 1133943586.
4. *Ethics and Information Technology*. http://www.springer.com/computer/swe/journal/10676.
5. *Journal of Information, Communication and Ethics in Society*. http://www.emeraldinsight.com/journal/jices.

**Reference Texts and Journals for further reading**

1. Quinn, M. J. (2017). *Ethics for the Information Age* (7th ed.). Boston, MA: Pearson Education Ltd. ISBN: 0134296540.
2. Reynolds, G. W. (2015). *Ethics in Information Technology* (5th ed.). Boston, MA: Cengage Learning. ISBN: 1473713579.
3. Spinello, R. A. (2014). *Cyberethics: Morality and Law in Cyberspace* (5th ed.). Burlington, MA: Jones & Bartlett Learning. ISBN: 1449688411.
4. *Ethics and Information Technology*. http://vbn.aau.dk/en/activities/ethics-and-information-technology-tidsskrift(aee701cd-e61d-4fc3-b423-6ee4785a9ffc).html.
5. *Ethics and Information Technology*. https://www.ncbi.nlm.nih.gov/labs/journals/ethics-inf-technol/.