

Syllabus

UNIDEL-ICT 103 – Ethical Issues in ICT (2 Units; Compulsory; LH=30)

Department of ICT
Faculty of Computing
University of Delta, Agbor, Nigeria

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Office Hours: Monday, Tuesday, Wednesday, Thursday & Friday 8:00 am - 4:00 pm

There are many ways to reach me. There is no substitute for face-to-face communication which often leads to more refined and focused questions resulting in your improved understanding. I strongly encourage you to take advantage of my office hours. Questions during class or immediately after class are always welcomed. Email is an easy way to ask questions outside of class but is not productive as face-to-face communication.

Meeting Time and Place: Wednesdays, 8:00Am to 10:00Am, FOC LH 4

Attendance

You are expected to attend every class. If you must miss a class, it is your responsibility to make up for the work you missed. If you are going to be absent from any class, you must please notify the instructor in advance. With 70% Class attendance the student will be eligible to participate in the exam

Methods of Instruction

This syllabus contains an overview of what will be covered in class; for specific information, students are referred to the class web page maintained on the University website. Assignments will be posted on University of Delta LMS or given in the class and should be submitted through University of Delta LMS. Class attendance, doing all your practical and homework will help the borderline cases.

Overview

Ethical Issues are inarguably an important discourse in handling Information and Communication Technology as it is a global, multinational, socio-cultural and interreligious phenomenon since almost everyone uses ICT and its related technologies. Every student or graduate needs to have this basic knowledge of the ethical conduct in securing data, information and even systems in order not to infringe on privacy of individuals and organizations. Ethical issues in ICT are ethical considerations in ensuring security of computer systems and networks keep data safe and maintain cyber hygiene. It takes a look at the trending issues in the do's and don'ts to protect the integrity, functionality, and reliability of organizations that rely upon such data and systems should be considered within the context of Nigeria.

Therefore, the course introduces the principles and practices of good ethical conducts and apply ethics, core values and methods for value driven decision in cyber space as well as critique enterprise physical and logical security policies and best practices from ethics perspective in modern businesses, organizations, institutions, and industries in megacities in Delta State and provides the understanding of the trending ethical issues that have been triggered by technology. The course will educate students about threats to human dignity amidst the social contract among people in the age, the trade-off between security and privacy, intellectual property and its relation to ICT in the quest of securing data, information and systems. The course is executed through a combination of lectures, assignments and test or quizzes. The objectives of the course, learning outcomes and course content or synopsis are provided to address this need.

Objectives

The objectives of this course are to: (i) Describe ethical issues in ICT; (ii) Explain the underlying ethical issues that have been triggered by technology; (iii) Describe threats to human dignity amidst the social contract among people in the information age; (iv) Describe the rights and wrongs in the world of ICT; (iv) Explain good knowledge of ethical conduct; and (v) Critique enterprise physical and logical security policies and best practices from an ethics perspective (vi) Explain good knowledge on ethical conducts and apply ethics, core values and methods for value-driven decision in cyber space; and (vii) Explain cyber security ethics from global, multicultural and interreligious perspective

Learning Outcomes

Upon completion of this course, students should be able to: (i) Describe at least four ethical issues in cyber security; (ii) Recommend improvements to global internet practice that will better protect individual right-to-privacy and intellectual property; (iii) Explain the underlying ethical issues that have been triggered by technology; (iv) Describe threats to human dignity amidst the social contract among people in the information age; (v) Describe the rights and wrongs in the world of cyber security; (vi) Explain good knowledge on ethical conducts and apply ethics, core values and methods for value-driven decision in cyber space; and (vii) Explain cyber security ethics from global, multicultural and interreligious perspective

Course Contents

Introduction to ethics. Cyberspace and the fourth industrial revolution. ICT and ethics. Cyber peace. Autonomous weapons and ethics. ICT Ethical Issues (Digital Divide, cybercrime, unemployment, piracy to human rights problem), Secret services and ethics. Relationship between ethics and ICT. Ethics and harms to privacy. ICT resource allocation and transparency disclosure. Intellectual property and its relationship to ICT. Accuracy of information (authenticity, fidelity, accuracy of the information, compensation for the injured). Accessibility of information. Ethics of whistle blowing. Ethics of confidentiality. The trade-off between privacy and security. Ethical best practices in ICT. ICT professional's obligation to the public. Common ethical challenges to ICT professionals. Plagiarism. Cyber law. Governance and ethics. Voluntary values and legally binding norms, international conventions.

Lecture Schedules

Wee k	Content	Lecture notes/slides
1.	Introduction to ethics	Lecture notes
2.	Cyberspace and the fourth industrial revolution	Lecture notes
3.	ICT and ethics. Cyber peace. Autonomous weapons and ethics	Lecture notes
4.	ICT Ethical Issues (Digital Divide, cybercrime, unemployment, piracy to human rights)	Lecture notes
5.	Test	Lecture notes
6.	Secret services and ethics. Relationship between ethics and ICT	Lecture notes
7.	Ethics and harms to privacy	Lecture notes
8.	ICT resource allocation and transparency disclosure. Intellectual property and its relationship to ICT	Lecture notes
9.	Accuracy of information (authenticity, fidelity, accuracy of the information, compensation for the injured)	Lecture notes
10.	Test	Lecture notes
11.	Accessibility of information. Ethics of whistle blowing. Ethics of confidentiality	Lecture notes
12.	The trade-off between privacy and security	Lecture notes
13.	Ethical best practices in ICT, Common ethical challenges to ICT professionals. Plagiarism. Cyber law	Lecture notes
14.	Revisions	Lecture notes
15.	Final Exam	

Examination schedule

- Attendance
- Homework

- Class Test
- Practical exercises
- End of Semester Exam

Grading

- Homework: 20% of grade
- Assessment: 10% of grade
- Final Exam: 70% of grade

Text & References

- Ebenezer Ankrāh ,et al,(2023), "Ethical Challenges in the Use of Information in Selected Public and Private University Libraries in Ghana"**
- Sarmad Ali Khan (2021), "The Fourth Industrial Revolution and Cyberspace's Mental Health Stigma"**
- Dumebi Otulugbu, et al, (2021), "Ethical Issues and Information Communication Technology (ICT) Use in the New Era "**
- Imaja ITULELO MATIYABU,. et al,(2017), "The Role of ICT in Enhancing Transparency and Accountability in Public Funds Management in DRC "**
- Karen L, Rich(2021), "Introduction To Ethics"**
- Minati mishar(2003), "Ethical, Legal and Social aspects of Information and Communication Technology".**
- Ruobing Wang1(2021), "Importance of Computer Ethics and Morality in Society"**

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behaviour conducive to a positive learning environment. The code of student conduct is described in detail in the student handbook or University website.

Academic Honesty

"All students enrolled at the University shall follow the tenets of common decency and acceptable behaviour conducive to a positive learning environment." It is the policy of the University, that no form of plagiarism or cheating will be tolerated. Plagiarism is defined as the deliberate use of another's work and claiming it as one's own. This means ideas as well as text or code, whether paraphrased or presented verbatim (word-for-word). Cheating is defined as obtaining unauthorised assistance on any assignment. Proper citation of sources must always be utilised thoroughly and accurately. If you are caught sharing or using other people's work in this class, you will receive a 0 grade and a warning on the first instance. A subsequent instance will result in receiving an F grade for the course, and possible disciplinary proceedings. If you are unclear about what constitutes academic dishonesty, ask.

Courseware Document * No file selected.

Course Code: Course Title:

Ist: 200 Level: FOC:

Course Objective:

Course Synopsis:

Course Lecturer: Exam Mark: Test Mark: Assignment Mark:

Lecturer Hour: Tutorial Hours: Practical Hours: Course Unit: