Course Title and Code	IT 221 Information Assurance and Security

I.   Course Identification and General Information:

Course Title	Information Assurance and Security	Course Code	IT 221	Pre-requisite	IT 251
Department	Information Technology	Course Level	6	Credit Hours	3(3+0)

II.   Course Description/Topics: The following course topics will be covered.

- An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed.

III.   Course Outcomes: Summary of the main learning outcomes for students enrolled in the course.

1. Understand the fundamentals of Information Security Concepts, theories and issues.
2. Present knowledge of best practices in Information Security and issues
3. Understand the consequences of Information Security breaches on the organizations.
4. Analyze a problem, and identify the appropriate solution using related solutions and scientific theories and models in IT
5. Design, implement and evaluate a protective, disaster recovery and business continuity plans and processes
6. Describe the local and global impact of Information Security on individuals, organizations and society
7. Describe the good and the bad practices of using Information to mitigate the possibilities of threats.

IV.   Required Text:

- Ciampa, M., Security+ Guide to Network Security Fundamentals, 4th edition, Course Technology, 2018, ISBN-13: 9781337288781.

V.   References:

- Charles Whitman, Michael E and Mattord, Herbert J. ,Principles of Information Security , 6th ed , 2018 , ISBN : 9781337102063 - 1337102067
- Charles and Shari Pfleeger, "Security in Computing," fourth Edition, 2006, Prentice Hall, ISBN 0132390779.