

<b>Course Title</b>	<b>Information Security</b>
<b>Course Code</b>	<b>CC-312</b>
<b>Credit Hours</b>	3
<b>Category</b>	Computing Core
<b>Prerequisite</b>	None
<b>Co-Requisite</b>	None
<b>Follow-up</b>	None
<b>Course Description</b>	Information security foundations, security design principles; security mechanisms, symmetric and asymmetric cryptography, encryption, hash functions, digital signatures, key management, authentication and access control; software security, vulnerabilities and protections, malware, database security; network security, firewalls, intrusion detection; security policies, policy formation and enforcement, risk assessment, cybercrime, law and ethics in information security, privacy and anonymity of data.
<b>Text Book(s)</b>	1. M. Whitman and H. Mattord, Principles of Information Security, 6th edition.
<b>Reference Material</b>	1. William Stallings, Computer Security: Principles and Practice, 3rd edition. 2. Dieter Gollmann, Computer Security, 3rd edition. 3. William Easttom, Computer Security Fundamentals, 3rd edition.