

Course Code	Course Name	Credit Hours	Prerequisite
211 CIS-3	Information Security	2 (2,0,0)	201 CIS-3

Course Description:

This course consists of Introduction to Information Security, Need for Security, Risk Management, Planning for Security, Security Technology: Firewalls, Intrusion Detection and Prevention Systems, Cryptography, Implementing Information Security, Student study the optimum protections strategies from harmful software from the internet and the protection techniques. Finally, complete computer security for optimum security levels.

Course Objectives: By the end of this course students should be able to:

- Apply the concepts and techniques of Information Security.
- Detect various computer virus and harmful software.
- Evaluate fundamentals of cryptography and its applications.
- Detect security problems and define defense strategies.
- Identify a wide spectrum of different issues where we can protect our information systems.

Text Books:

- 1) Michael E. Whitman, *Ph.D., CISM, CISSP*, Herbert J. Mattord, *CISM, CISSP*
Title: Principles of Information Security
 Publisher : Course Technology, Cengage Learning **Publication Date:** 2012
 ISBN-13: 978-1-111-13821-9 ISBN-10: 1-111-13821-4 | Edition: 4th

Reference:

- 1) Mark Rhodes-Ousley (Author).
Title: Information Security The Complete Reference, Second Edition [Paperback].
 Publisher : McGraw-Hill Publishing. **Publication Date: April 3, 2013**
 | ISBN-10: 0071784357 | ISBN-13: 978-0071784351 | Edition: 2
- 2) David Kim (Author), Michael G. Solomon (Author)
Title: Fundamentals Of Information Systems Security [Paperback]
 Publisher: Jones & Bartlett Learning Publications. **Publication Date: July 11, 2013**
 | ISBN-10: 1284031624 | ISBN-13: 978-1284031621 | Edition: 2
- 3) Richard O'Hanley (Editor), James S. Tiller (Editor)
Title: Information Security Management Handbook, Sixth Edition, Volume 7 [Hardcover]
 Publisher: Auerbach Publications; **Publication Date: 6 edition (August 29, 2013)**
 ISBN-10: 146656749X | ISBN-13: 978-1466567498 .