

9. Explain the basic principles of cryptography
10. Demonstrate techniques for using and managing encryption keys
11. Discuss the principles of good operational security
12. Explain how to create a Security Policy, and procedures related to computer security
13. Explore strategies of establishing operating system security on the following operating systems:
 - a. Windows
 - b. Linux
 - c. Novell
14. Discuss various network security professional certifications

LEARNING MATERIALS:

Ciampa, Mark. (2012). *Security+ Guide to Networking Security Fundamentals* (4th ed.). Course Technology, ISBN# 9781111640125

Cretaro, Paul. (2012). *Lab Manual for Security+ Guide to Network Security Fundamentals* (4th ed.) Course Technology ISBN 9781111640132

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Alan Evans	Date: 3/2006
VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr.	Date: Fall, 2006
Revised by: Kathleen Kelly	Date: 7/12/2012
VPAA/Provost or designee Compliance Verification: Victoria Bastecki-Perez, Ed.D.	Date: 9/10/2013
Revised by: Anil Datta	Date: 4/12/2016
VPAA/Provost or designee Compliance Verification: Victoria Bastecki-Perez, Ed.D.	Date: 6/2/2016

This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.