General Course Information

Instructor: Leonard Scott  
Office: E 125  
E-mail: lscott@coastalbend.edu  
Classroom: E 124  
Class Times: T/R 11:00 – 12:20

Prerequisites: None

- Textbook and Supplies SECURITY+ GDE.TO NETWORK SECURITY FUND.

Author: CIAMPA  
Publisher: COURSE TEC  
Edition: 4TH 12  
ISBN: 9781111640125

- Thumb drive to save and organize coursework assignments.

Objectives:

- Introduction to Security  
- Malware and Social Engineering Attacks  
- Application and Network Attacks  
- Vulnerability Assessment and Mitigating Attacks  
- Host, Application, and Data Security  
- Network Security
Administering a Secure Network
Wireless Network Security
Access Control Fundamentals
Authentication and Account Management
Basic Cryptography
Advanced Cryptography
Business Continuity
Risk Mitigation

This course offers a comprehensive guide for anyone wishing to take the CompTIA Security+ SY0-301 Certification Exam. It provides an introduction to the fundamentals of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. The course covers new topics in network security as well, including psychological approaches to social engineering attacks, Web application attacks, penetration testing, data loss prevention, cloud computing security, and application programming development security.

Students are required to complete all class activities. Attendance is required. Quizzes and tests may not be made up unless arrangements are made with the instructor prior to class time. Emergencies and excused absences will be handled on an individual basis. Class participation is required.

**Grading and Evaluation Criteria:**

Grades will be determined by total points earned divided by total points possible. Tests will comprise 30% of your grade. Tests will be objective, i.e. multiple choices, true/false, short answer. 30% of your grade will be based on weekly assignments and 30% based on an oral report you will create throughout the semester and deliver at the semesters end. 10% of your grade will be based on your attendance and classroom participation.

A = 90 and above
B = 89 – 80
C = 79 – 70
D = 69 – 60
F = 59 and below

**Special Services:**
If you have specific physical, psychiatric or learning disabilities and require accommodations, please let me know early in the semester so that your learning needs may be met in an appropriate and timely manner.