

SUSSEX COUNTY COMMUNITY COLLEGE

Student Learning Outcomes Syllabus

COMS234

NETWORKING MANAGEMENT AND SECURITY

COURSE #	COURSE TITLE	CLASSIFICATION
3	3	2:2
CREDITS	CLASS HOURS	LAB HOURS

TEXTS:

Title: TBD
 Author:
 Publisher:
 Publication Date:

CATALOG DESCRIPTION:

This course builds upon the student’s understanding of the concepts of internetworking technology and design. Advanced routing techniques such as Virtual LAN’s and Access Lists are discussed and configured. Routing protocols are introduced and discussed. Network management is introduced and demonstrated.

PREREQUISITE: COMS233.

TOPICS TO BE INCLUDED

1. LAN Switching
2. Virtual LAN’s
3. LAN Design
4. Routing Protocols RIP and IGRP
5. Access Lists
6. Network Management

COURSE COMPETENCIES/LEARNING OUTCOMES

1. Identify local area network switching technologies (AAS Computer Information Systems – IT Option, Program Goal 2, 3, 6)
2. Evaluate the design of LAN (AAS Computer Information Systems – IT Option, Program Goal 2, 3, 6)
3. Determine the utilization of virtual local networks (VLANs) (AAS Computer Information Systems – IT Option, Program Goal 2, 3, 6)
4. Determine the use of access lists (AAS Computer Information Systems – IT Option, Program Goal 2, 3, 6)
5. Assess Network Management tools and techniques (AAS Computer Information Systems – IT Option, Program Goal 2, 3, 6)