

**SEWARD COUNTY COMMUNITY COLLEGE  
COURSE SYLLABUS**

**I. TITLE OF COURSE:** CS2263- Computer Networking II

**II. COURSE DESCRIPTION: 3 credit hours**  
**3 credit hours of lecture and 0 credit hours of lab per week.**

This course is designed to provide the student how to design, implement and maintain an organization's network and computer security policies.

Part two of two courses that will prepare students for the Network+ certification.

For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

Pre-requisite: CS2253 - Computer Networking I

**III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:**

The CIS Program will provide superior learning opportunities in the area of information technology, utilizing state-of-the-art technology, for both CIS majors and non-CIS majors to enable all students to achieve their career and/or educational goals.

**IV. TEXTBOOK AND MATERIALS:**

Textbook will be selected when course is offered.

**V. SCCC OUTCOMES**

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

1: Read with comprehension, be critical of what they read, and apply knowledge gained to real life

5: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information

6: Exhibit skills in information and technological literacy

**VI. COURSE OUTCOMES:**

Upon completion of the Computer Networking course with 80% or high mastery of course competencies, the student should be able to:

Understand computer networking industry standards and terminology

Analyze computer networks

Determine areas of weakness

Suggest solutions for controlling weakness

Learn how to deal with security breaches

**VII. COURSE OUTLINE:**

1. Application security
2. Physical security
3. Virtual security
4. Network security
5. Authentication services

6. Account Management Security Controls
7. Cryptography concepts
8. Public Key Infrastructure

#### **VIII. INSTRUCTIONAL METHODS:**

Classroom Lectures, examples, presentations, discussions

Related readings (periodicals, books)

Internet research

Instructors will enforce the Academic Honor Code & Cheating Policy as set forth in the SCCC College Catalog. Students who fail to adhere to this policy will receive an F for the course final grade unless otherwise stated in the instructor's course policies.

#### **IX. INSTRUCTIONAL AND RESOURCE MATERIALS:**

Assorted periodical and newsletter articles as they apply to course

Miscellaneous personal computer hardware/software

#### **X. METHODS OF ASSESSMENT:**

Outcomes #1, #5, and #6 will be assessed by:

Hands-on lab assignments, quizzes and exams will assess student knowledge of the material covered.

Group assignments and projects will assess student ability to think critically by gathering and analyzing data and generating insight into problem solving methodology.

#### **XI. ADA STATEMENT:**

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or going to the Student Success Center in the Hobbie Academic building, room 149 A.