

CLASS NUMBER AND NAME: **CSN160 – Network Plus**

TOTAL HOURS/ UNITS: 72 HOURS/5.0 UNITS

PREREQUISITES: CSN100 -Introduction to Computer Hardware

TEXTS AND MATERIALS: *CompTIA Network+ Authorized N10-006 Cert Guide Deluxe Edition*
Kevin Wallace and Keith Baker, Pearson, 2015 (ISBN 9780789754738)

CLASS DESCRIPTION: A study through lecture exercises introducing the student to the basic concepts of networking.

CLASS OBJECTIVES: Network Hardware, cabling, topologies and protocols used in local area networks (LAN) and wide area networks (WAN).

All students should be aware that a reasonable effort at note taking is a requirement in this class. The main goal of this class is for you to learn basic vocabulary, concepts and skills. Some new material is not in the text at all; some of the concepts in the text may be difficult to grasp until someone explains them to you. Therefore, note taking is essential.

CLASS FORMAT OVERVIEW: This class is a combination of lecture and lab.

Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.

METHODS OF INSTRUCTION: As lecture and lab are the principal means of instruction, it will be expected that all students will be present every day to take part in class.

ATTENDANCE: It is expected that each student will be in class when class begins. Should the student arrive more than ten minutes late they should notify the instructor of their presence, it will be up to the instructor to decide if the student has arrived in time to be counted as present- the instructor's decision is final.

80% attendance is mandatory

It will be the student's responsibility to learn of any assignments given in class when absent.

TESTING: Quizzes will be given throughout the mod as well as a cumulative final exam. All quizzes, examinations, exercises and homework must be satisfactorily completed with a passing grade of 60% or better in order to pass the course.

LATE TESTING:

Late testing is only allowed at the instructor's discretion.

GRADING POLICIES:

The grading system is comprised of attendance, assignments, weekly tests, and a Final exam .

Assignments = 25%
Attendance = 15%
Weekly Exams = 35%
Final exam = 25%

Total Points = 100%

Combined grades for the above categories will be graded on the following scale:

90-100% = A
80-89% = B
70-79% = C
60-69% = D
0-59% = F

ANTICIPATED LEARNING
OUTCOMES:

Upon completing this course, the student will have an understanding of:

1. Basic knowledge of networking hardware.
2. Knowledge of all 7 layers of the OSI model.
3. Knowledge of Ethernet Networking Technologies and their components.
4. Knowledge of WAN technologies and wireless LANs.
5. Knowledge of IP addressing and routing.
6. Cable Structures and communications.
7. Network management, optimization and security.

Earned a passing grade in the course by earning a D or higher

6 Week Tentative Schedule

Week 1

Chapters 1,2

Wednesday - Review

Thursday –homework due, Test

Week 2

Chapters 3, 4

Wednesday - Review

Thursday – homework due, Test

Week 3

Chapters 5, 6, 7

Wednesday - Review

Thursday – homework due, Test

Week 4

Chapters 8, 9,10

Wednesday - Review

Thursday – homework due, Test

Week 5

Chapters 11,12

Wednesday - Review

Thursday – homework due, Test

Week 6

Chapter 13

Wednesday - Review

Thursday – homework due, Final