KELCE
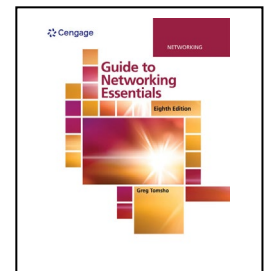## COLLEGE OF BUSINESS
Pittsburg State University

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Instructor: Dr. David Sikolia
Office: Kelce 223H
Hours: TTh 11:30 – 1:30, MW 9:00 – 12:00
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Textbook

Guide to Networking Essentials | 8th Edition Greg Tomsho
ISBN-13: 978-0357118283
ISBN-10: 0357118286

Catalog Course Description

Concepts of communications, computer networking principles, and survey of technical components of a distributed computer system all with an emphasis on network security.

Prerequisites

CIS230 – CIS 230 Introduction to Programming.

Course Objectives / Learning Outcomes

This course introduces technologies, terminology, and skills used in data networking. Emphasis is on practical applications of networking and computer technology to real-world problems. Prepares students for entry-level jobs as networking technicians and prepares them for learning more advanced topics in networking.

Specific topic coverage includes:

- Introduction to Computer Networks
- Network Hardware Essentials
- Network Topologies and Technologies
- Network Media
- Network Protocols
- IP Addressing
- Network Reference Models and Standards
- Network Hardware in Depth
- Introduction to Network Security

- Wide Area Network Essentials
- Network Operating System Fundamentals
- Network Management and Administration
- Internet of Things
- Troubleshooting and Support

General Education Goals

None

Course Outline

Date	Topic
January 17th	Introduction to Computer Networks
January 24th	Network Hardware Essentials
January 31st	Network Topologies and Technologies
February 7th	**Exam 1**
February 14th	Network Media
February 21st	Network Protocols
February 28th	IP Addressing
March 7th	Network Reference Models and Standards
March 14th	**Spring break!**
March 21st	**Exam 2**
March 28th	Network Hardware in Depth
April 4th	Introduction to Network Security
April 11th	Wide Area Network Essentials
April 18th	Network Operating System Fundamentals
April 25th	Network Management and Administration
May 2nd	Internet of Things Troubleshooting and Support
May 9th	Final's week
May 16th	Grades due

Teaching Methods

These will include lectures and readings from the textbook and various homework assignments. There will be a project that is designed to give students a hands-on approach to learning the methods used to analyze business problems and to design and model an application to solve those problems

Canvas

Notes from the lectures will be posted on Canvas. All assignments will be posted on Canvas. All exams will be online in Canvas.

Attendance Policy

Students are expected to attend class regularly and participate in the activities of the class. Exams will be given on the days indicated in the Syllabus. Any student requesting a different time must contact the instructor at least one week before the posted exam date. If there is an emergency, the instructor must be notified as soon as possible and at least one day before returning to class. Assignments and Projects are expected to be turned in on time. The due dates will be posted in Canvas. Assignments and Projects turned in late will not be accepted.

Classroom Conduct

Students should conduct themselves appropriately as outlined in the Academic Integrity Policy described below. Each student is responsible for his/her own assignments. Any student who copies another's work or provides a copy of his/her work to another student will receive a zero for that assignment. Any student who repeats this offense will receive an "F" for the course and may be subject to dismissal from the University due to Academic Misconduct.

Academic Integrity

All Pitt State students are bound by the academic integrity policies of the university as described and outlined in the current Syllabus Supplement. Please familiarize yourself with these rules and guidelines. In addition, as a course offered through the Kelce College of Business, students in this class are obligated to adhere to the college's Student Code of Ethics as outlined below.
Students pledge to:

- Arrive on time, remain until dismissed at all class sessions, and notify instructors in advance of anticipated absences, late arrivals, or early departures whenever possible.

- Turn off cell phones or other electronic devices while in class, unless permission to use them has been granted.

- Refrain from class disturbances.

- Refrain from the profane or vulgar language in a threatening or disruptive manner.

- Treat fellow students, staff, faculty, administrators, and property respectfully.

- Refrain from giving or receiving inappropriate assistance.

- Prepare assignments and exams honestly, refraining from such unacceptable conduct as plagiarism or unacknowledged appropriation of another's work in any academic work.

- Obey the policies, regulations, and laws of the United States of America, the State of Kansas, The Kansas Board of Regents, Pittsburg State University, and the Gladys A. Kelce College of Business.

- If a student observes someone committing dishonesty in connection with academic work, the student is encouraged to report that dishonesty to the appropriate individual (ex, faculty member or administrator).

Students with Disabilities

Please inform the instructor if you have a learning or physical disability that interferes with course requirements. Assistance and/or appropriate accommodations may be available through the contacts listed on the current Syllabus Supplement.

Course Evaluation Methods

Exams (3) 450 points
Labs 300 points
Assignments/quizzes 250 points

A (90 – 100%) B (80 – 89%) C (70 – 79%) D (60 – 69%)

Note

The instructor reserves the right to amend and reorganize this syllabus at any time.

Link to syllabus supplement

Syllabus supplement