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**Instructor:** John Kuefler, MBA  
**Hours:** By appointment (via Zoom or office visit)  
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### **Textbook**

No textbook is required for this course. The instructor will provide supplementary materials, and all software needed to complete assignments will be available in the Kelce computer labs or as a free download online.

### **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**

Prerequisite: CIS 230 Introduction to Programming.

### **Course Objectives / Learning Outcomes**

Upon completion of this course, students should have a good understanding of these topics:

1. The fundamentals and principles of computer networking and why it is important to society today
2. The 7-layer OSI model and how each layer functions
3. IP addressing and TCP/IP protocol
4. The HTTP protocol
5. Usage of tools to diagnose and inspect network traffic
6. Setup and usage of VPN and remote connectivity to Windows and Linux
7. Setup of virtual networks via cloud platforms including Azure and AWS
8. Setup and usage of Active Directory
9. Network security



**Course Syllabus:**

Networking and Information Security  
CIS 470, 01, 22/WF  
Kelce Center 103  
T/TH 2-3:15pm

## **Teaching Methods**

This course will be taught primarily through lectures, demonstrations, labs, and in-class discussions. There will be several homework assignments/labs assigned throughout the semester focused on learning hands-on networking concepts.

## **Canvas**

Canvas will be utilized heavily in this course. Supplemental lecture materials will be posted on Canvas. Homework assignments and materials will be posted on Canvas as well. Additionally, exams and quizzes will be administered through Canvas.

## **Attendance Policy**

Attendance is critical to success in the class and will be a key factor in your grade. Points will be given for attendance and are worth ~10% of your final grade. This allows students to miss a couple of class periods without being penalized. Students must notify the instructor beforehand to be excused from class and have a legitimate reason such as illness or a school conflict. In those cases, students will still receive their points. The instructor may ask for proof of the need to be excused in some cases.

Attendance will be taken with an automated tool. It is the student's responsibility to check into class using this tool to be awarded attendance points. More information will be given the first day of class.

## **Classroom Conduct**

Students are expected to be punctual, respectful of the instructor and others, silence cell phones, and pay attention in class. Laptops are permitted for note taking and following along class demonstrations, provided they do not become a distraction.

## **Withdrawal**

Students wishing to withdraw from the class are solely responsible for doing so. The instructor will not drop students from the course.

## **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 use of profane or vulgar language in a threatening or disruptive manner.
- Treat fellow students, staff, faculty, administrators, and property with respect.
- Refrain from giving or receiving inappropriate assistance.
- Prepare assignment 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.

### **Duplicate/Plagiarized Work Policy**

If multiple students submit the exact same work for an assignment, one of two things must have happened:

- a) The students both copied the same answers from the internet
- b) One of the students did the work and shared their answers with another student or students

Both of these scenarios are unacceptable. If any assignments are submitted that are exactly the same, all students submitting these assignments will receive a 0 on these submissions, with no exceptions. It is critical that you complete your own work, not only for academic integrity, but also so that you learn something in this class. It's ok to collaborate with other students, but do not copy other's work. It is particularly easy in a class like this to spot submissions that are exactly the same, since we're mostly dealing with diagrams and technical responses, so don't do it.



## Grading Scale

90-100%	A
80-89%	B
70-79%	C
60-69%	D
<60%	F

## Course Evaluation Methods

Assignments and labs: Several homework assignments will be distributed throughout the semester via Canvas. There will also be hands-on lab experiences that students will participate in.

Quizzes: There will be several quizzes scheduled throughout the semester that will be taken through Canvas to reinforce course concepts and help to prepare for exams.

Exams: There will be three exams given during the semester, along with a comprehensive final exam.

Anticipated points breakdown:

Item	Total Points
Participation	50
Quizzes	50
Labs	75
Homework	75
Exams and final	200
Total	450

## Late Work Policy

Unless a student has asked for an extension for a legitimate reason prior to an assignment due date, late work will not be accepted in this course. All late work will automatically result in a 0 grade being given unless an extension is granted.

## Note

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