CS453: Data and Computer Communications
Instructor: David Krovich
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Office: 238 AER
Office Hours: 2:00PM - 3:00PM Wednesday or by appointment

Pre-Requisites:
CS 350 with a C- or better

Course Description:
An in-depth study of the Internet, networking fundamentals, protocols, algorithms, and principles of distributed computing, introduction to network security and management.

Expected Learning Outcomes:
In completing the course students will:
1. Describe the operation of TCP/IP protocol suite and wireless networking protocols
2. Analyze the properties of network protocols
3. Apply socket programming techniques to establish client server communication
4. Describe the principles of mobility management in cellular networks

Course Materials:


Grading:

- Attendance/Class Participation: 100 points

There will be 10 attendance days during the course of the semester. Each attendance day will be worth 10 points. For each attendance day each student will be asked to announce their presence and comment on a topic provided by the instructor. If you miss an attendance day you can gain half credit by submitting a short writeup.

- 5 homeworks: 500 points total, 100 points each homework
There will be 5 homework assignments during the course of the semester. Each homework assignment will be worth 100 points each.

- 2 tests: 200 points total, 100 points each test

There will be 2 tests during the course of the semester. Each test will be worth 100 points each.

- Final: 200 points

Final will be comprehensive.

Grading Scale:
- A = 900 to 1000
- B = 800 to 899
- C = 700 to 799
- D = 600 to 699
- F = < 600

Academic Integrity:
The integrity of the classes offered by any academic institution solidifies the foundation of its mission and cannot be sacrificed to expediency, ignorance, or blatant fraud. Therefore, instructors will enforce rigorous standards of academic integrity in all aspects and assignments of their courses. For the detailed policy of West Virginia University regarding the definitions of acts considered to fall under academic dishonesty and possible ensuing sanctions, please see the West Virginia University Academic Standards Policy below. Should you have any questions about possibly improper research citations or references, or any other activity that may be interpreted as an attempt at academic dishonesty, please see your instructor before the assignment is due to discuss the matter.

Inclusivity Statement
The West Virginia University community is committed to creating and fostering a positive learning and working environment based on open communication, mutual respect, and inclusion.

If you are a person with a disability and anticipate needing any type of accommodation in order to participate in your classes, please advise your instructors and make appropriate arrangements with the Office of Accessibility Services.
More information is available at the Division of Diversity, Equity, and Inclusion as well.