CS 440  
Computer Networks  
Spring 2016

INSTRUCTOR: Professor B. Gupta  
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TA: TBA

TEXTBOOK:  

REFERENCE BOOKS:  
2. Data Communications, Computer Networks and Open Systems, by Fred Hallsall, Addison Wesley

PREREQUISITES:  
CS 330, each with a grade of C or better

GRADING:  
There will be three exams. These exams will carry 20% each. The third exam will be held according to the University’s final schedule. Three labs will have 30% (total). Homework has 10%.

***Note: These percentages are tentative. There may be significant changes.

Grade A ≥ 90%  
Grade B ≥ 80% and < 90%  
Grade C ≥ 70% and < 80%  
Grade D ≥ 60% and < 70%

TENTATIVE COURSE OUTLINE:  
1. Introduction to different layers in computer networks  
   1.1 Physical Layer  
   1.2 Different Data Link layer protocols  
   1.3 Network Layer (Routing algorithms)  
   1.4 Transport layer  
2. Local Area Networks  
3. Routing Protocols in Mobile Ad-hoc Networks  
4. Introduction to Queuing Theory (if time permits)