

Wagner College
CS 353 – COMPUTER NETWORKS

TEXTBOOK: *Computer Networks and Internets*,

By Douglas Comer, Second/Third Edition, Prentice Hall

INSTRUCTOR: Dr. Adrian Ionescu <http://www.wagner.edu/faculty/users/ionescu/>

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OFFICE: Room 117, Megerle Science Hall, x3245

OFFICE HOURS: MWF 11:30 AM – 12:40 PM (F by appointment only)

MW 1:40 – 3:00 PM, T 6:00 – 7:00 PM (T by appointment only)

COURSE WEB PAGE: http://ionescu.pageout.net/page.dyn/student/main/instructor_home

- OUTLINE:
- Chapter 1 – Introduction
 - Chapter 2 – Motivation and Tools
 - Chapter 3 – Transmission Media
 - Chapter 4 – Local Asynchronous Communication
 - Chapter 5 – Long Distance Communications
 - Chapter 6 – Packets, Frames, and Error Detection
 - Chapter 7 – LAN Technologies and Network Topology
 - Chapter 8 – Hardware Addressing and Frame Type Identification
 - Chapter 9 – LAN Wiring, Physical Topology, and Interface Hardware
 - Chapter 10 – Extend. LANs: Fiber Modems, Repeaters, Bridges, Switches
 - Chapter 11 – Long Distance Digital Connection Technologies
 - Chapter 12 – WAN Technologies and Routing
 - Chapter 13 – Network Ownership, Service Paradigm, and Performance
 - Chapter 14 – Protocols and Layering
 - Chapter 15 – Internetworking: Concepts, Architecture, and Protocols
 - Chapter 16 – IP: Internet Protocol Addresses
 - Chapter 17 – Binding Protocol Addresses (ARP)
 - Chapter 18 – IP Datagrams and Datagrams Forwarding
 - Chapter 19 – IP Encapsulation, Fragmentation, and Reassembly

GRADING POLICY: You are responsible for all material covered in class, as well as that in the text. Homework will be collected and graded weekly.

- MIDTERM (30%)
- FINAL EXAMINATION (40%)
- HOMEWORK/PROJECTS/CLASS PARTICIPATION (30%)

GRADING SCALE: Letter grades will be determined by the following scale, where 100 corresponds to the highest point total earned by any student in the class:

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

COURSE POLICIES:

- There will be no make-up examinations. *A student who is unable to attend a major examination due to illness or other emergency is required to contact his instructor within 24 hours of the exam time.* If an exam is missed due to an emergency, the final will be counted twice; once as a final, and once in place of the missed exam. Late homework will not be graded.
- Any preceding policies may be waived at my discretion

For inclement weather updates or other announcements please check your e-mail and the following page regularly: <http://www.wagner.edu/faculty/users/ionescu/notes.htm>

If you have a disability for which you may be requesting an accommodation, you are encouraged to contact both your instructor and Dina Assante in the Academic Advisement Center, 390-3278 as early as possible in the term.