

CSC323 – Introduction to Networks

Syllabus

The class syllabus can be found [here](#)

Office Hours

Office hours are posted [here](#)

Textbook

[CompTIA Network+ Deluxe Study Guide Exam N10-007, Fourth Edition](#)

Class Schedule – (*tentative*)

Lectures:

TR 10:00am – 11:15am

Week	Tuesday	Thursday
1	Lecture: Introduction to Networks	Lab: Wireshark – Getting Started
2	Lecture: The Open Systems Interconnection Specifications	Lab: Wireshark – HTTP
3	Lecture: Networking Topologies, Connectors, and Wiring Standards	Lab: Wiring
4	Lecture: The Current Ethernet Specifications	Lab: Wireshark – Ethernet & ARP
5	Lecture: Networking Devices	Lab: Wireshark – DNS & DHCP

6	Lecture: Introduction to the Internet Protocol & IP Addressing	Lab: Wireshark – TCP & UDP & IP
7	October Break	Midterm Review
8	Midterm Exam	Lecture: IP Subnetting, Troubleshooting IP, and Introduction to NAT
9	Lecture: IP Subnetting, Troubleshooting IP, and Introduction to NAT	Lab: Wireshark – NAT & ICMP Homework: Subnetting Worksheets
10	Lecture: Introduction to IP Routing & Routing Protocols	Lab: Common Open Research Emulator (CORE) Introduction and Routing Lab
11	Lecture: Switching and Virtual LANs	Lab: Common Open Research Emulator (CORE) Switching Lab
12	Lecture: Wireless Networking	Lab: Wireshark – 802.11
13	Lecture: Wide Area Networks	Thanksgiving Break
14	Lecture: Troubleshooting & Software and Hardware Tools	Lab: Network Diagrams
15	Lecture: Network Troubleshooting, Management, Monitoring, and Optimization	Final Exam Review
16	Final Exam Week	

Homework:

Homework assignment drop boxes will be posted in [Engage](#). All homework assignments are due the following week after they are assigned by Friday @ 11:55 pm.

Plagiarism & Cheating

Plagiarism and cheating are not tolerated in any of my courses. If you are caught performing any form of academic misconduct in this class appropriate action will be taken and you will be removed from the course as well as receive an 'F for cheating' grade on your transcript.

Links

[Wireshark Labs](#)

[Subnetting Practice Questions](#)

[Making a Persistent Kali Stick](#)

[How to Boot From a USB Drive in Virtualbox](#)

[Unix Command Summary Sheet](#) – *(Grab a printed copy outside of my office!)*

[Hackers: The Internet's Immune System](#)

[Over the Wire – Bandit Labs](#)