

**CMPE 252a – Fall 2015**  
**Course Syllabus and Schedule**

**Lecture Schedule**

<b>Lecture</b>	<b>Date</b>	<b>Topic</b>
0	Fri 9/25/15	Introduction to network architectures and protocols, protocol layering, overview of Internet protocols.
1	Mon 9/28/15	Performance modeling of communication networks: review of Markov chains and queueing theory.
2	Wed 9/30/15	Performance modeling of communication networks: review of Markov chains and queueing theory.
3	Fri 10/2/15	Physical layer
4	Mon 10/5/15	Multiple-access protocols
5	Wed 10/7/15	Multiple-access protocols
6	Fri 10/9/15	LAN architectures and protocols. Case studies: Ethernet, WiFi
5	Mon 10/12/15	LAN architectures and protocols. Case studies: Ethernet, WiFi
6	Wed 10/14/15	Data link layer protocols, bridging
7	Fri 10/16/15	Data link layer protocols, bridging
8	Mon 10/19/15	Network layer, Routing protocols
9	Wed 10/21/15	Network layer, Routing protocols
10	Fri 10/23/15	Network-layer congestion control: packet discard algorithms. Virtual circuits. Multicast protocols
11	Mon 10/26/15	IP lookup algorithms
12	Wed 10/28/15	IP lookup algorithms
13	Fri 10/30/15	Traffic scheduling
14	Mon 11/2/15	Traffic scheduling
15	Wed 11/4/15	Review
	Fri 11/6/15	<b>Midterm</b>
16	Mon 11/9/15	Transport layer
17	Wed 11/11/15	Veterans Day Holiday
	Fri 11/13/15	Packet classification algorithms
18	Mon 11/16/15	Congestion control
19	Wed 11/18/15	TCP and UDP sockets
20	Fri 11/20/15	Application layer protocols
21	Mon 11/23/15	Network security
22	Wed 11/25/15	Software Defined Networking
	Fri 11/27/15	Thanksgiving Holiday
	Mon 11/30/15	Project presentations
	Wed 12/2/15	Project presentations
	Fri 12/4/15	Project presentations
	Mon 12/7/15 4:00–7:00 PM	<b>Final Exam</b>

### Homework Schedule

Homework	Assigned	Due
1	Wed 9/30/15	Wed 10/7/15
2	Wed 10/7/15	Wed 10/14/15
3	Wed 10/14/15	Wed 10/21/15
4	Wed 10/21/15	Wed 10/28/15
5	Wed 10/28/15	Wed 11/4/15
6	Wed 11/11/15	Fri 11/18/15

### Project Milestones

Date	Due
10/12/15	Project proposal
11/16/15	Progress report
12/4/15	Final report
11/30/15 – 12/4/15	Project presentations