

## CAS CS455/655 Computer Networks Fall 2018 Schedule

Week	Lecture	Topics	Discussion (Friday)	Items Due
1	Sep 4/6	Course intro Data representation	Intros Quiz 0	
2	Sep 11/13	Data encoding Manning, Gray codes etc Modems	Lab 1 Wireshark Quiz 1	
3	Sep 18/20	Network models (OSI/TCP/IP) Physical layer	HW 1 Getting started Quiz 2	
4	Sep 25/27	LLC/MAC layers Ethernet et al (802.3/5 protocols)	PA 1 Sockets Quiz 3	Proj HW1: Pitch
5	Oct 2/4	Bridging algorithms 802.11 algorithms	Lab 2 Wireshark HTTP Quiz 4	Proj HW 2: Primary use cases / github repo
6	Oct 11	Tuesday: No lecture <b>Thursday Midterm Exam (in class)</b>	No discussion	
7	Oct 16/18	Network layer (IP)	HW2 Apps / Transport	Proj HW 3: Architecture Case 2: FOSS Toolchain
8	Oct 23/25	Inter-domain protocols (RIP/BGP/OSPF etc)	PA 2 Error control Quiz 5	Proj HW 4: Data plan / diagrams
9	Oct 30/Nov 1	Transport layer (TCP/UDP) DNS / Registries	Quiz 6	

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10	Nov 6/8	Application layer Socket programming	PA 3 Routing	Case 3: Performance
11	Nov 13/15	Linux network stack	Quiz 7	Proj HW 5: Test plan
12	Nov 20/22	Thanksgiving Break		
13	Nov 27/29	Network security	HW 3 Routing	
14	Dec 4/6	Enterprise topologies and management	Quiz 8	Proj HW 6: Deployment plan
15	Dec 11/13	High-speed protocols and future networks	Lab 3	Final project documents
16	<b>Dec 17</b>	Final exam Location / time TBD		