

## **INFO 341 (Networks & Distributed Applications)**

Final Exam Review - Dec, 2016

You are allowed one sheet (front and back) of notes, can be handwritten or typed. No copying or sharing of notes - will be turned in with final.

*Final will also cover material from before the midterm*

**LAN MAC Layer protocols**

**TCP SYN, ACK**

**LAN Switches, VLAN trunks, and VLAN tags**

**OSI layers**

**Blocking/non-blocking LAN switches**

**Public and Private IP Address spaces/blocks**

**Routing Protocols (link state vs distance vector)**

**NAP and ISP Peering**

**Spanning Tree**

**DNS and basic Network Services (DHCP, NTP, ...)**

**DHCP**

**Basic Service Set (BSS) and Extended Service Set (ESS) in 802.11**

**Service Set Identifier (SSID) and Independent Basic Service Set (IBSS)**

**WiFi channel reuse patterns / model in 2.4 GHz and 5 GHz wireless**

**802.11 in 2.4 GHz - 5 GHz (channel size, channels, cell/signal size)**

**WiFi 802.11 channel bonding**

**Trusted and untrusted networks**

**Network applications**

**Network services**

**Protocols (Telnet, SMTP, MIME, POP, IMAP, FTP, SFTP, SSH, HTTP/S)**

**LAN Network Services**

**Authentication and Authorization**

**Network Security (*Covered 12/7/16*)**