

# COMS4995-1 NetworkingLaboratory

## Lab 2

**Extra Credit Questions: (please be brief and to the point)**

- a) What is a TCP SYN attack?
- b) How can I use ARP Poisoning Attacks to divert traffic from a victim to my machine?
- c) Can this attack be used against switches? What is MAC Flooding?
- d) How can I protect my network against such attacks?
- e\*) Generate ARP attacks using some of the following tools: Arpoison, Ettercap, Parasite and Dsniff. Compare these tools and generate a report with their advantages & disadvantages
- f\*) Are there any other tools currently available (open source) to attack ARP, or to protect ARP, on switched networks?

\*Questions e,f require more effort.

**Useful Links:**

<http://www.watchguard.com/infocenter/editorial/135324.asp>

<http://www.sans.org/rr/threats/address.php>