# 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