

INFO 622 Projects Spring, 2009

You must do a total of five (5) of the following "projects" (**to be turned in no later than April 28**):

- Review two papers discussing a topic related to the course (cryptography, authentication, etc.). This can be repeated twice (which would satisfy four of the five requirements). The papers must be drawn from academic (not trade) journals. The review should be critical (not just "golly, what a slick piece of work").
- Review forensics software (note that there is a difference between computer forensics and network forensics)
- Review the security (or lack thereof) of SOA and web applications; may count as two projects depending upon length
- Review the security (or lack thereof) of grid computing; may count as two projects depending upon length
- "War-Drive" through Richmond to determine the number of wireless 802.11b / 802.11g LANS you can find and how many are wide open (plus any other interesting info). Try to find a design for a cheap antenna (readily available on the web) and build one to extend the range of your wireless NIC. This counts as two projects. Note: do not attempt to use any of the networks you find as that would be illegal.
- Put together a detailed proposal for a security network lab for this course, including specifying the hardware and software that should be included. Please note that VCU will not allow the lab to be open to the internet.
- You may install software capable of sending and receiving PGP-encrypted email. To accomplish this, you must send me your public keys which I will post on the course website. Upon receipt of your public key, I will send you an encrypted email which you must decrypt and then send back to me encrypted with my public key (to be made available on the course website) and digitally signed by you.
- You may propose something not on this list, but you must get my approval to do it.

You may work individually, in pairs, or in groups of 3 on any of these **except** the PGP-encrypted email project; on that you must work individually.