

**Comp 8506 Computer Systems Technology September 2010**

**Selected Topics in Network Security and Design**

**Assignment #1**

**Due:** September 23, 1330 hrs. You may work in groups of two.

**Objective:** To observe and understand the nature of exploits and attacker processes.

**Assignment:**

- You are required to watch one (or both if you wish) of the following two movies:
  - o “Sneakers”
  - o “War Games” (this is one is quite old but the concepts are still applicable)
- Both movies have story lines that deal with the art (or crime) of computer and network hacking and exploits.
- Make notes as you watch the movie. What you are looking for are the techniques that were used to compromise systems.
- Specifically, you will be identifying the following:
  - o Active and Passive reconnaissance
  - o Exploits
  - o Type of Attacks
  - o Attack Routes
- Write a brief technical report describing all of the above characteristics you have found.

**Constraints:**

- The discussion in class on “**Exploits and Attacker’s Processes**” must be used as the framework for your analysis and critique.
- If possible provide references and/or correlations for the exploits you have observed.
- Use the standard technical format for you report, i.e., Introduction/Summary, Body, Conclusions, etc.

**To Be Submitted:**

- Submit a brief report, including all relevant data and references.