

## **Comp 7006 - Lab #4**

### **Shell Scripting on Linux**

**Due Date:** October 20, 2009, 1330 hrs.  
Work in groups of **two**.

**Objective:** To design and implement a shell script that will implement a cron-based email notification application.

#### **Assignment:**

Design and develop a shell program that will provide a user with the ability to specify the time and date (general the frequency) for a cron job to get activated. The cron job will activate a script that will send an email to a user-specified email address, together with an attachment.

#### **Constraints:**

- Your script must prompt the user for, and allow the user to specify the following parameters:
  - The date/time for the email script to get activated.
  - An email address that will receive the email.
  - The directory from which to get the multi-format file (text or graphics) that will be attached to the email. The name of the file will also be specified by the user.
- Basically your script will take all the user-specified information, generate a script and install it in the “**crontab**”.
- Read volumes 1 and 5 for the man pages on **cron** in order to get an understanding of the cron format and functionality.
- Note that you are required to provide extensive documentation in the form of log entries and screen shots as part of your test and verification component.

#### **To Be Submitted:**

- Hand in complete and well-documented design work and listings of your program.
- Make sure you include all your test and verification details (documentation) with your submission.
- Provide all your code and documents on a disk.