The UNIVERSITY *of* NORTH CAROLINA *at* CHAPEL HILL

Comp 411 Computer Organization
Fall 2012

Lab #1: UNIX Tutorial
Issued Fri. 8/24/12; Due Fri. 8/31/12 (beginning of lab)

Your task is to go through the entire UNIX tutorial posted on the class website and try all of the examples and exercises embedded within the tutorial. You must finish this *before* the beginning of the lab on Aug 31. Specifically, do the following:

Tasks:

- Go through the *entire tutorial* and try all of the UNIX commands described, and do all of the embedded exercises.
  - [*Note:* For parts 5.1-5.2 of the tutorial, remember that AFS file permissions override the basic UNIX file permissions; therefore, as mentioned in class, using the chmod command will not yield expected results. Discussion of AFS is beyond the scope of this tutorial; you are welcome to browse the reference to AFS listed in part 5.1 if you are interested.]

- Compile and run the sample software (units-1.74) included with the tutorial, as discussed in part 7. Run it with the sample input given in part 7.6, and also use it to do the following: convert "8 feet" to "metres" (note spelling).

What to submit: Once you have compiled the program **units** and tested it, you will submit this compiled binary. Navigate to the folder where **units** is stored, and run the command for electronically submitting the binary, as follows:

```
% cd ~/units174/bin
% /home/montek/comp411/bin/submitlab1
```

You must submit your work by the beginning of lab on Aug 31. In case of any problems, please contact the instructor.