

# Department of Mathematics – Linux Computing

August 10, 2010

All graduate students in the SMU Department of Mathematics have been given computer accounts on departmental workstations and servers. The main server is named `coe.math.smu.edu`; in addition to this machine, students have accounts on all shared workstations in the student offices in Clements Hall.

## **New students:**

Within the first week of the semester, you should log into `coe.math.smu.edu` and change your password. Your username will be the same as your SMU email address (e.g. `reynolds@smu.edu` would have login name `reynolds`). You should receive your initial password during the first week of classes. To log in, you will need to `ssh` into `coe` and use the `passwd` command. From a Linux/Unix terminal you would type:

- `ssh -X username@coe.math.smu.edu`
- (insert the default password)

From Windows, use the PuTTY program to `ssh` into `coe.math.smu.edu`, using your username and default password.

Once logged into `coe`, you should type:

- `passwd`
- (when prompted, insert the default password, and your new password)

After changing your password, email Prof. Reynolds at `reynolds@smu.edu` that it has been changed. Your new password will then be propagated to all of the other Linux machines.

If you are unfamiliar with Linux/UNIX, please work through the online tutorial:  
<http://dreynolds.math.smu.edu/UnixTut>

## **Rules for Departmental Computing:**

1. Department computers should be used for course-related work, research, and personal incidental use (email, web browsing, etc.). Inappropriate use of these resources is forbidden. This includes, but is not limited to:
  - a. Work for outside companies or for personal profit,
  - b. The viewing, storage or dissemination of illegal or lewd materials.
2. You must not share your login information with others.
3. You must not monopolize shared resources:
  - a. Log out of shared office workstations when not in use (just log out, do not turn them off).

- b. Long-running computational jobs on the shared servers must be invoked with the `nice` command (see the Linux man pages or ask Prof. Reynolds for further information).
  - c. Parallel jobs on shared resources (e.g. `coe`) should not be run using more than 2 threads. This pertains to programs that you write, as well as Matlab computations.
4. The shared servers should be used for course-related and research work only (Matlab, X-Maple, programming assignments, etc.). All email and web browsing should be done using the workstations.
  5. While there are no specific disk space limits on the department workstations or servers, you should strive to keep your usage within reason.

**The use of department computers in any way implies you have read and agree to abide by these rules. Violations of these policies can result in loss of computing privileges on all department resources.**