

Introduction

The purpose of this lab is to have you familiarize yourself with the software and hardware tools available in the EET labs – specifically those tools that will be used in ETec273.

Lab Requirements

1. Lab tour and demonstration
2. Read and follow through the ‘Lab Use Policies’ and ‘First Login’ sections below.
3. Complete problems 39a, b, c from the text
4. Login to a computer and use LogicWorks to verify your answers.
 - a. Use the Hex Keypad w/o STB, the 8-bit Adder, and the hex display.
5. Have instructor check your work and answer questions

Lab Use Policy

1.1 Acceptable Use – Academic Use Only

- Direct assignments for EET courses requiring the lab.
- All other WWU coursework.
- Job Search and Alumni activities
- Electronics Club

1.2 Lab Access

- 24hr Keybox Access – PIN is for EET students ONLY!

1.3 Safety

- No work at voltages greater than $\pm 15V$ alone. Others must be present.
- Absolutely no materials requiring a MSDS sheet without labeling from ETEC safety technician.

1.4 Notes

- Do not lock workstations.
- Do not eat at workstation benches.
- Keep work area clean for next user.
- Do not give out passwords to others.
- Be respectful of other users – loud music, inappropriate comments, etc.
- Disk space is very limited. Normal coursework should result in ~20MBytes.

Violations of these policies can result in your account being temporarily disabled.

First Logins

The workstations in ETec340 are configured as a Windows2003 domain of WindowsXP Professional workstations. Roaming profiles are used so it does not matter which workstation you use. The Windows 2003 server is called *ridge*.

I have user accounts for all new students on *ridge*. The username is the same as your WWU username and the password was given in class. You will be required to change your password during your first session.

This is a description of the procedures recommended for those that are logging onto the ET340 computers for the first time:

1) If you have not done so, you must first change your password. To do this, select **Ctrl-Alt-Del** and then select **Change Password...**

2) You can not write onto the local drive (C:). All of your work must be saved in your user directory which is: **z:**

Another way of accessing this directory is by using the UNC path:

\\ridge\data\users\username

where *username* is your username.

Note some applications – for example, Xilinx ISE – can not use UNC paths. For these applications the mapped drive must be used. Also note the WindowsXP folder called *My Documents* uses the UNC path so it should be avoided.

You might want to create a shortcut to your home directory and put it on your desktop.

3) You should verify that the *eetdata* folder on *ridge* is mapped to the **y:** drive.

If not, open a folder window and select '**Tools -> Map Network Drive...**'.

Select **Y:** and enter **\\ridge\eetdata** in the folder box.

Make sure the '**reconnect at logon**' check box is checked. Select '**ok**' and you will be set from that point on.

4) You will need to verify/add a default printer during your first login. There are two printers in the ET340 lab – a HP LaserJet 5M and a LaserJet 8150.

Under the printers control panel select 'add printer' (if the printer is not already there) and select 'network printer'. Type in **//ridge** and select **ET340 HP LaserJet 5M** and/or **ET340 HP LaserJet 8150**. You will only have to do this one time.