

Assignment 00 (Due: Tuesday, January 19, 2016, 11 : 59 : 00pm Central Time)

CSCE 155N

1 Lab Objectives

- Log into the network using a Windows machine and your CSE account
- List the lab rules and hours of operation
- **Understand the academic integrity policy of the Department of Computer Science and Engineering**
- Know where to find help regarding CSE accounts and lab facilities
- Download and run MATLAB on your personal computer
- Use the locally installed MATLAB Interactive Development Environment (IDE) to create and update MATLAB source code
- Use the MATLAB IDE to execute simple M-Files
- Use the online [handin](#) and [webgrader](#) utilities to submit programming assignments and laboratory work

2 Prior to Laboratory

- Review the laboratory handout

3 Topics Covered in Lab

- Lab Introduction
- CSE Account
- MATLAB on Personal Computers using MATLAB License Provided by UNL
- IDE Introduction
- Remote Access FAQ
- Finding Help

4 Background

4.1 MATLAB on Personal Computers

- **MATLAB Licenses**
UNL Email Address Required (@huskers.unl.edu, @cse.unl.edu, @unl.edu, etc.)
- Version 2014a

4.2 Network File Share

- Log on to cse.unl.edu Domain on Lab Computers
- Network Drive is Z: Directory

4.2.1 SSH

- **SSH Secure Shell Client**
- **FileZilla**
- Host: cse.unl.edu
- Username: Your CSE Username
- Password: Your CSE Password
- Port: 22

5 Activities/Exercises

- Creating and Editing a MATLAB M-File
- Executing a Program
- Getting Help with MATLAB
- More Work with the IDE

5.1 Running MATLAB and Getting Help

- Create csce155n Directory in Z: Drive
- Run MATLAB
- Observe the Output of the Command `help cd`
- Observe the Output of the Command `lookfor pie`
- Create lab00 Directory in Z:\csce155n Interactively or with the Command `mkdir Z:\csce15n\lab00`
- Change *Current Directory* using command `cd Z:\csce155n\lab00`

5.2 M-Files

- Download `helloworld.m`, `lab00.m`, `members00lab.txt` and `contributions00lab.txt` from <https://cse.unl.edu/~cse155n/labs/00> to the **lab00 Directory**
- Open file `helloworld.m` in `Z:\csce155n\lab00`
Use `Open` → `Open...`
Use `Command edit helloworld.m`
- Place the line `string = inputdlg('Enter your name'); name = string{ 1 };` in the function `getName`
- Place the line `message = sprintf('Hello, %s!' , name); msgbox(message);` in the function `printMessage`
- Place the line `name = getName(); printMessage(name);` in the function `helloworld`
- Save All `.m` Files
- Type `lab00` into the `Command Window`

5.3 members00lab.txt

- Open file `members00lab.txt` in `Z:\csce155n\lab00`
- Replace `rpatrick`, `ccunning` and `zschell` with your `cse.unl.edu` username
- Save the File

5.4 contributions00lab.txt

- Open file `contributions00lab.txt` in `Z:\csce155n\lab00`
- Write **your** explanation of what you contributed to completing the lab
- Save the File

5.5 webhandin

- Go to <https://cse.unl.edu/handin>
- Enter your `cse.unl.edu` Username
- Enter your `cse.unl.edu` Password
- Select `Lab00` from the `Assignments`
- Choose to upload `helloworld.m`
- Choose to upload `members00lab.txt`
- Choose to upload `contributions00lab.txt`

5.6 webgrader

- Go to <https://cse.unl.edu/~cse155n/grade>
- Enter your **cse.unl.edu** Username and Password
- Select Lab00 from the **Assignment** Dropdown Menu
- Click **Grade Me!**
- Click the Generated Link
- Enter your **cse.unl.edu** Username and Password
- Confirm the Information in the PDF

6 Additional Resources

[CSE System FAQ](#)

[Request a Huskers Account](#)

[MATLAB Online Help](#)

7 Think About...

- What ways are there to get help while writing a program?
- What are the advantages of having your Z: drive available from both Windows and UNIX?
- When should you check your print quota? When you should check your disk quota?

8 Point Allocation

Component	Points
helloworld	25
getName	25
printMessage	25
members00lab.txt	5
contributions00lab.txt	10
webgrader PDF Generation	10
Total	100