# Lab1: Python Data Types and Format Specifiers

## *General Instructions:*

1- Create a C project in eclipse called Lab1

2- Download Lab1.zip files and extract to a folder in your machine.

3- Drag and drop all files (other than this PDF) to the Lab1 project.

4- Rename: "Lab1_template.txt" to "Lab1.c".

5- Add your credentials on top of the file.

6- Compare your results to those shown in Lab1_output.txt.

7- When you are done, you need to submit ONLY your "Lab1.c" file. Do not export the project or upload a .zip file.

## *Task 1: Basic Debugging*

The Lab1.c file has several functions. The *main* and *t1* functions have several errors stopping the program from compiling and executing.

Fix these errors and make the program run. Also, edit your code to get rid of all warnings, if they exist.

If your program runs successfully, The output should be the following:

```
Enter number of tall trees: 40
Enter number of short trees: 20
Number of T trees = 40
Number of S trees = 20
Average height = 0.72
```

## *Task 2: C Data Types*

Using the four variables defined in *t2()* prompt the user to enter some values, and

then print the results as the following:

```
Enter year: 2020
Enter month: 5
Enter day: 13
Enter University: Wilfrid Laurier

This is Wilfrid University
Today is :13/5/2020
```

## *Task 3: Formatting Output:*

In *t3()* write some code that will print the following to the console:

```
Hints for C Language:
Insert \n at end of printf for newline.
Use "double quote" not 'single quotes' for strings.
Use %d for integer, %f for float and %lf for double.
```