Laboratory 1

COMSC-122

Fall 2017

Logging Into Canvas

www.losmedanos.edu/onlineclasses/default.asp

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CANVAS

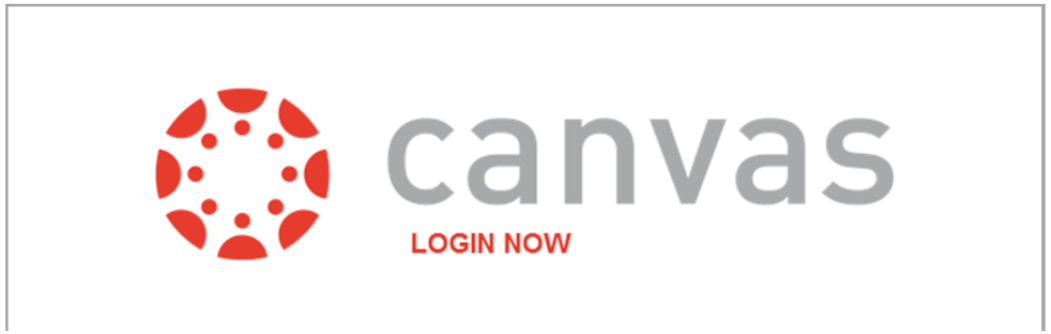
The Contra Costa Community College District will transition from D2L to the Canvas course management system. Beginning in Summer 2017, Canvas will be the only course management system for online, hybrid, and in-person courses. Visit the Canvas Transition page for more information about the D2L-to-Canvas transition timeline at LMC.

STUDENT CANVAS ACCOUNTS

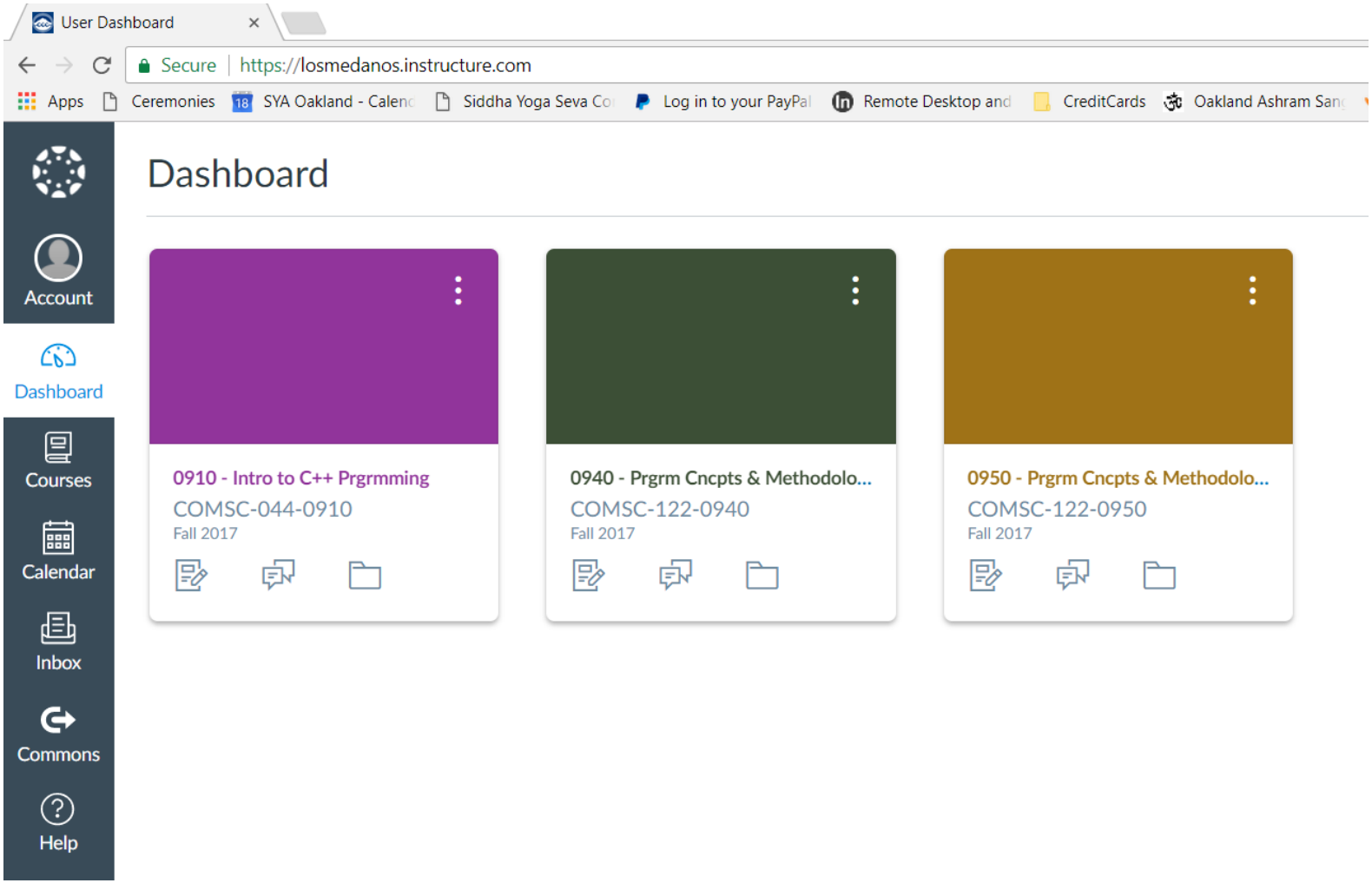
- Your Canvas courses for the current semester will appear on your Canvas Dashboard on **the first day of classes.**
- Your instructor will specify if they are using Canvas for the current semester.
- If you are enrolled in a LMC course, you already have a Canvas account.
- **Need Canvas help?** Contact the Canvas 24/7 Support team at 844-303-5587.

LOGGING IN TO CANVAS

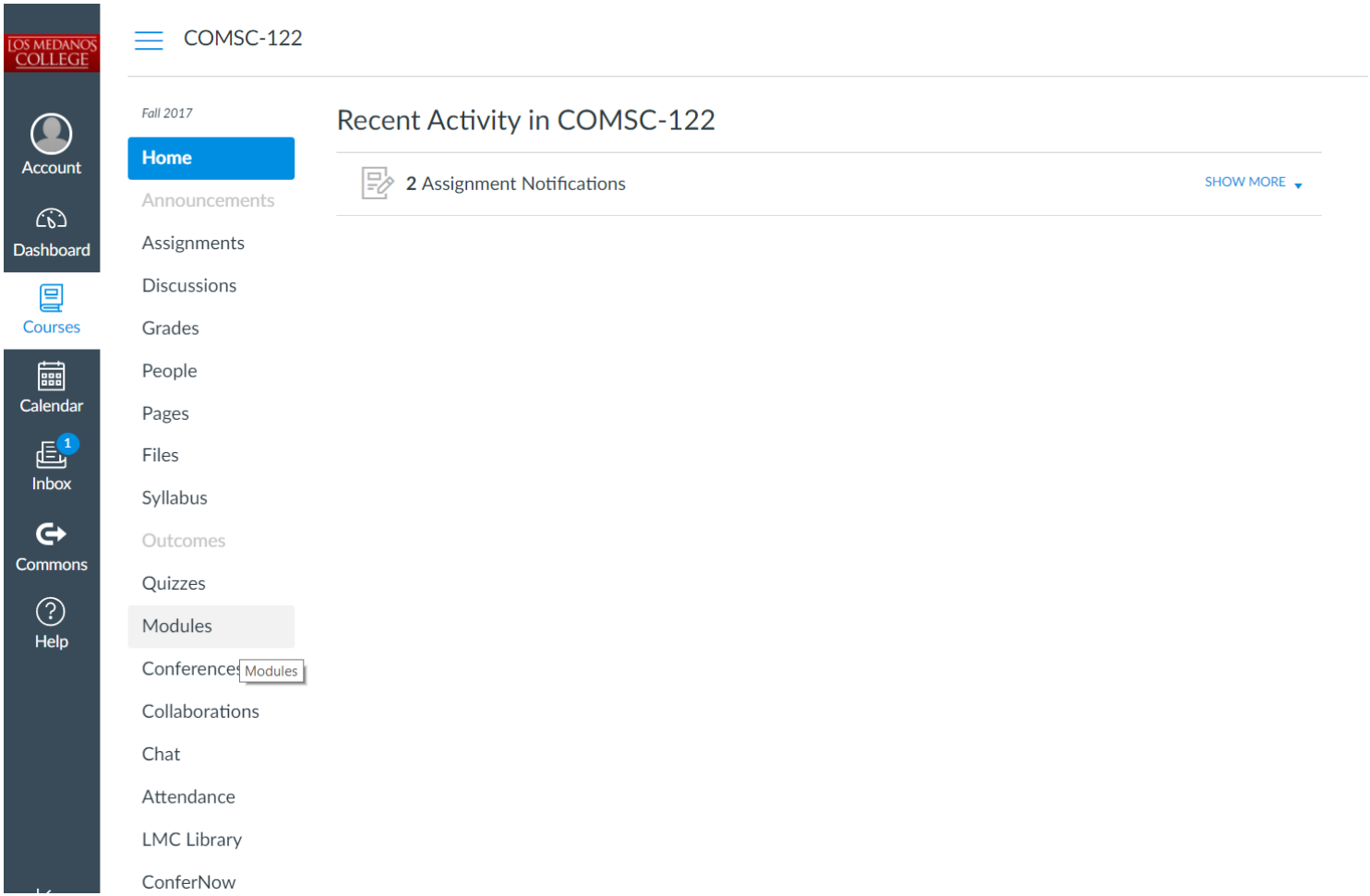
- Students and faculty: click on the banner below to access Canvas, or go directly to https://losmedanos.instructure.com.
- Log in to your Canvas account with your InSite username and password.
- The latest versions of Chrome, Firefox, and Safari are the recommended browsers for using Canvas.
- **Note**: Any changes made to your InSite account, such as resetting your password or adding/dropping a course, will be updated in Canvas in three hours.



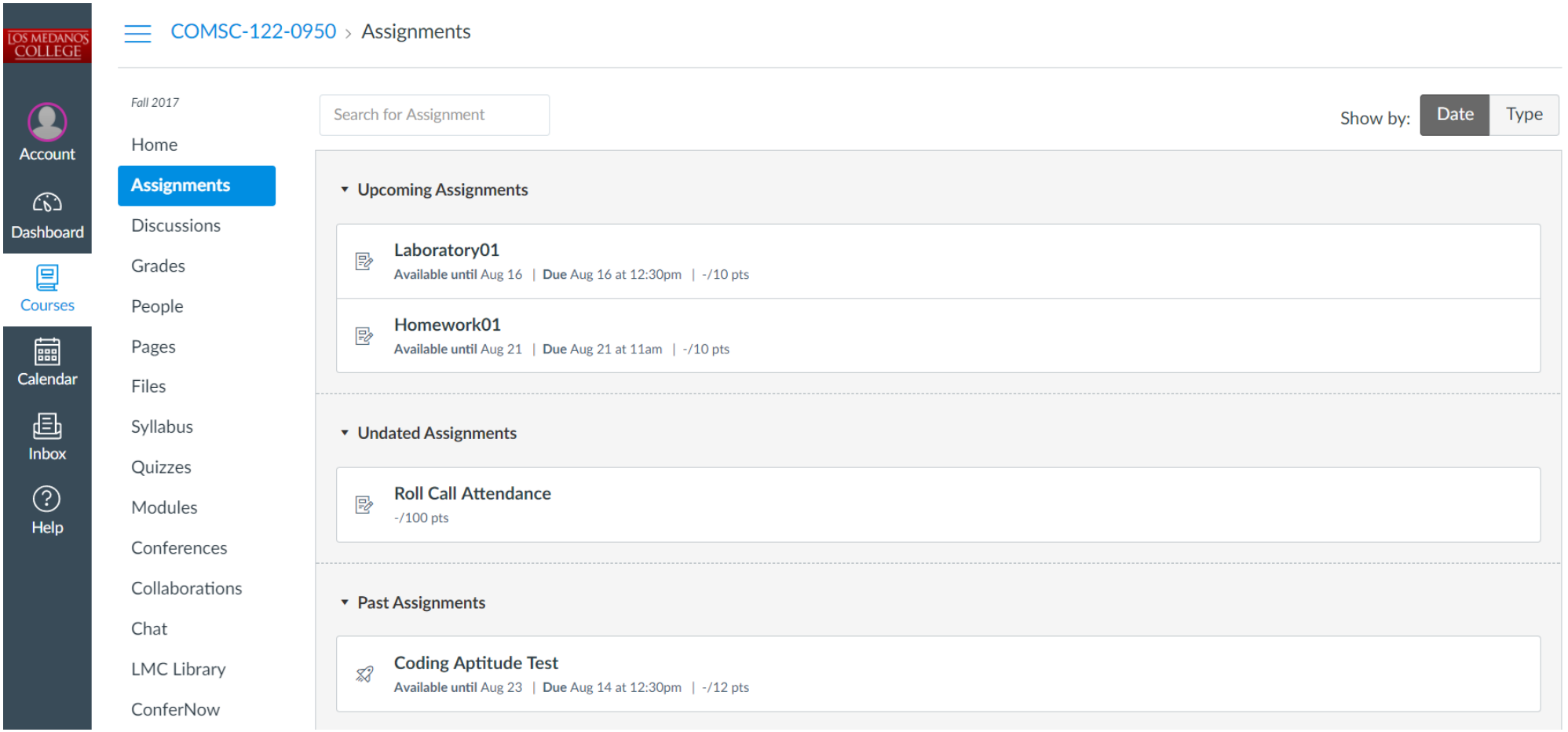
Click on the Course Labeled COMSC-122



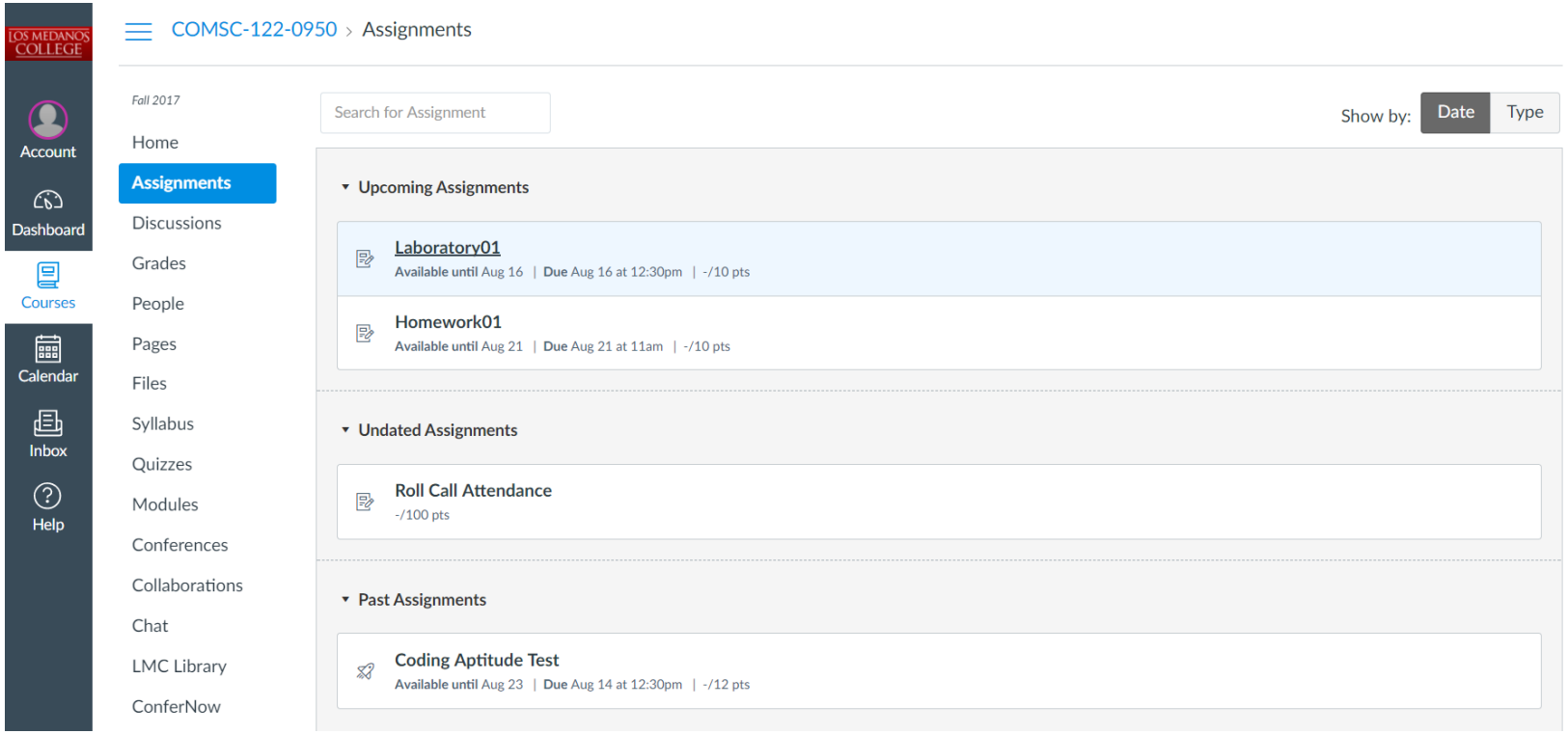
Canvas Opening Screen



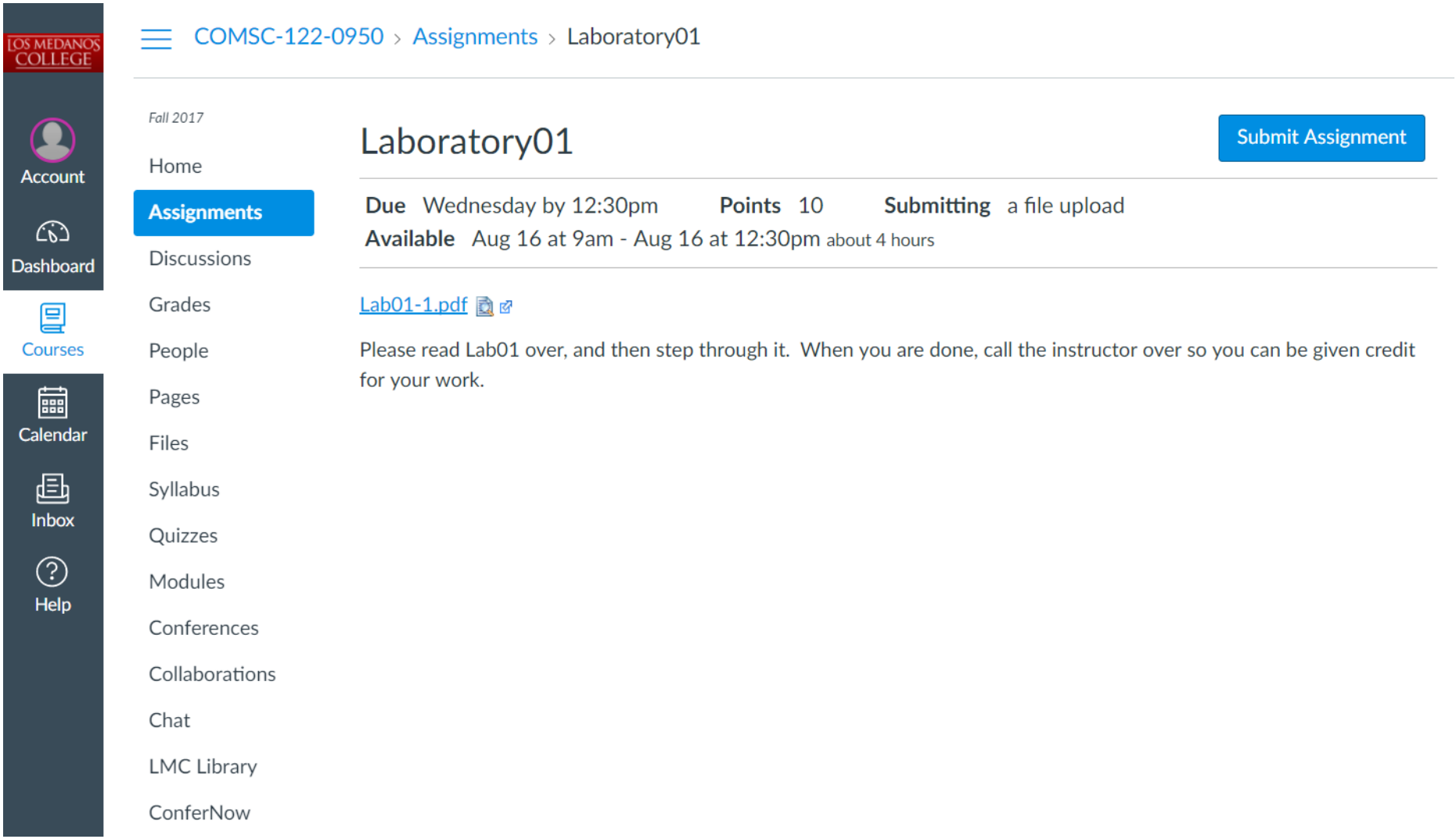
Click On Assignments



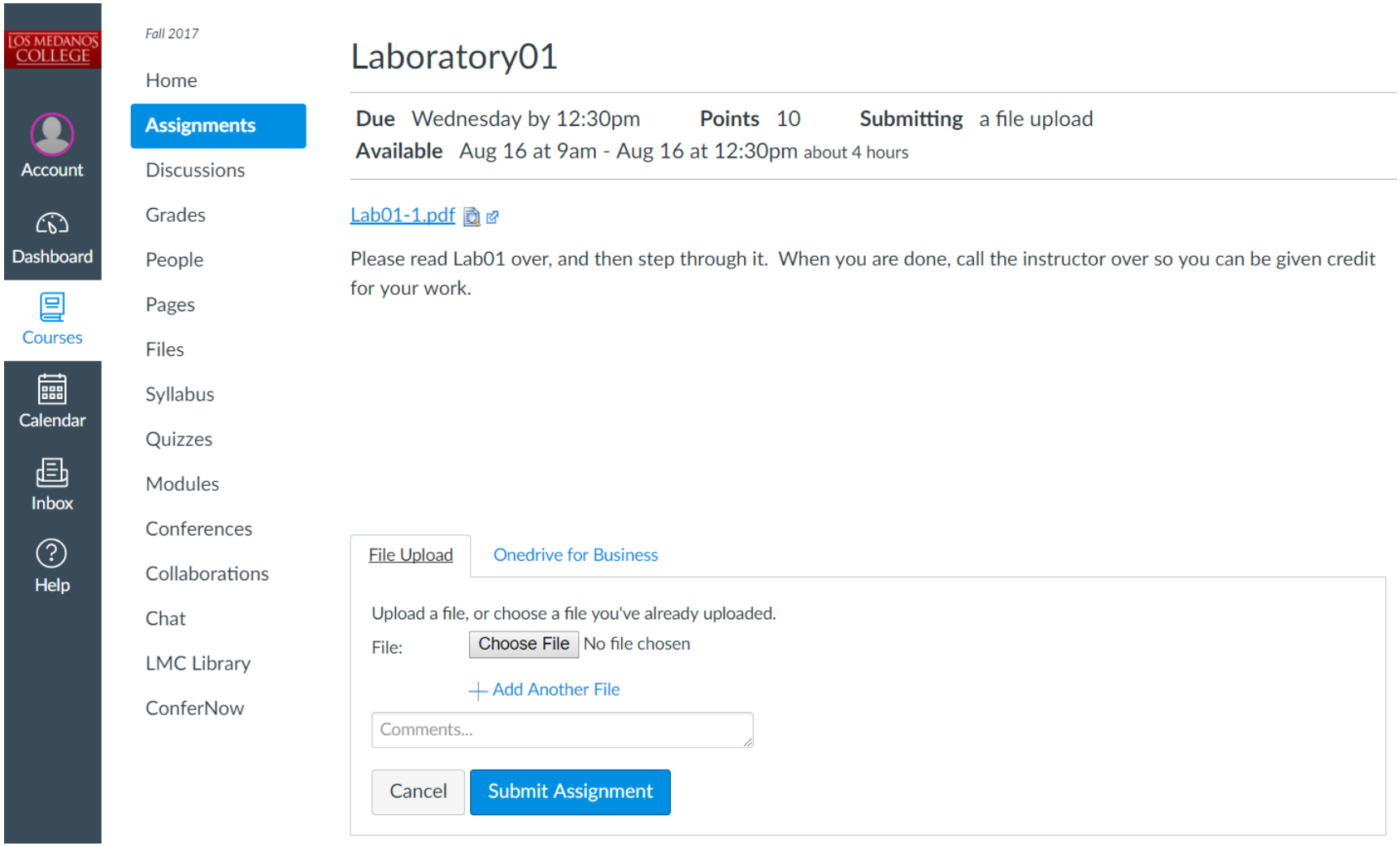
Click on Laboratory01



After Completing Lab01, then Click Submit Assignment



Click on Choose File, and upload your program to Canvas



Laboratory 01

- What you are being asked to do is to type in a program called: **chaos.py** , and then run the program in two different ways, in order to familiarize yourself with both of these possible methods.
- You will use the Windows Accessory “Notepad” to type in the script.
- Once typed in, you will run it in both of the ways shown in the notes that follow.
- Once you have made it run in both ways, call over the Instructor to show it to him so that you can get credit for completion of the Lab.
- Note: Case and spacing matter in Python so copy this code precisely.
- You’ll note that chaos is a function that jumps all around and never settles down in a predictable manner. So don’t let its chaotic output worry you.

Use Notepad to type in: chaos.py

```
# chaos.py
# Your Name
print("This program illustrates a chaotic function")
x=eval(input("Enter a number between 0 and 1: "))
x = 3.9*x*(1-x)
print (x)
x = 3.9*x*(1-x)
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x = 3.9*x*(1-x)
print (x)
x = 3.9*x*(1-x)
print (x)
exit = input('Hit any key to Exit: ')
```

Here are two easy ways you can run the program, chaos.py:

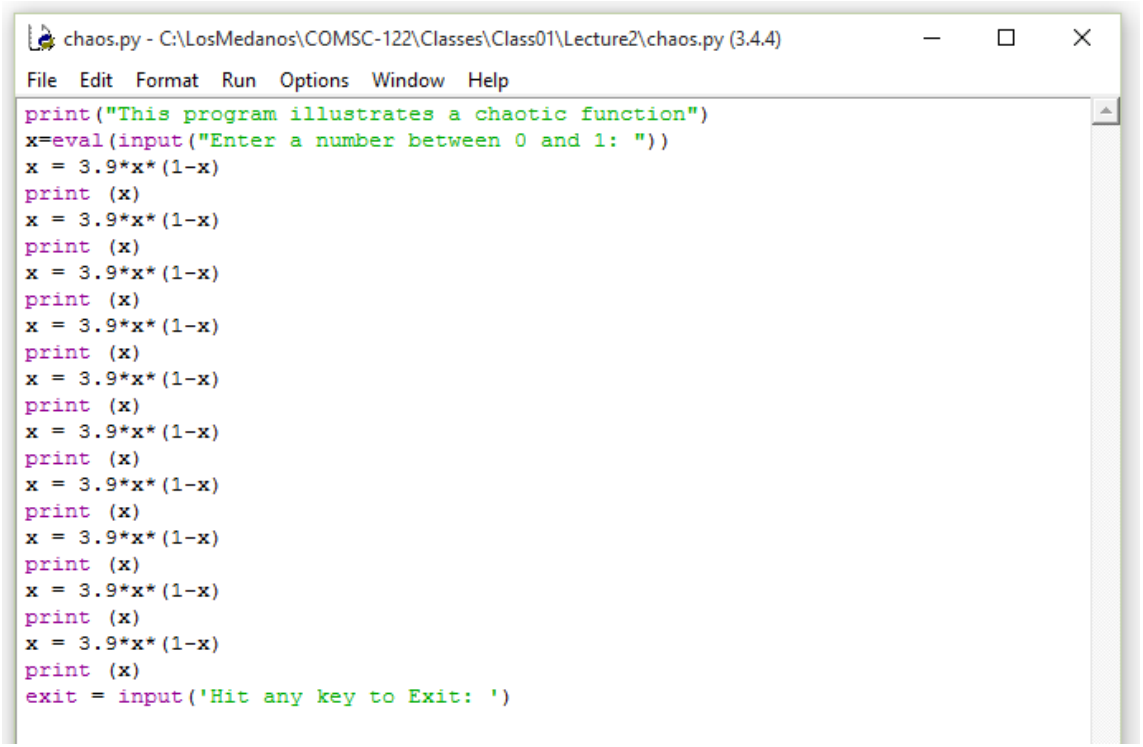
1. Through use of IDLE (**I**ntegrated **D**eve**L**opment **E**nvironment)
2. Directly from the Windows Explorer GUI
   - You must have set the pathway so that the operating system knows where the Python interpreter is located. for this method to work.

Method 1: The IDLE Programming Environment

- IDLE (Integrated Development Program): single program that provides tools to write, execute and test a program
  - Automatically installed when Python language is installed
  - Runs in interactive mode
  - Has built-in text editor with features designed to help write Python programs
- Right click on the Python file that you have created: chaos.py.
  - Now left click on **Edit with IDLE**
  - This will put you into the IDLE editor with your program displayed.

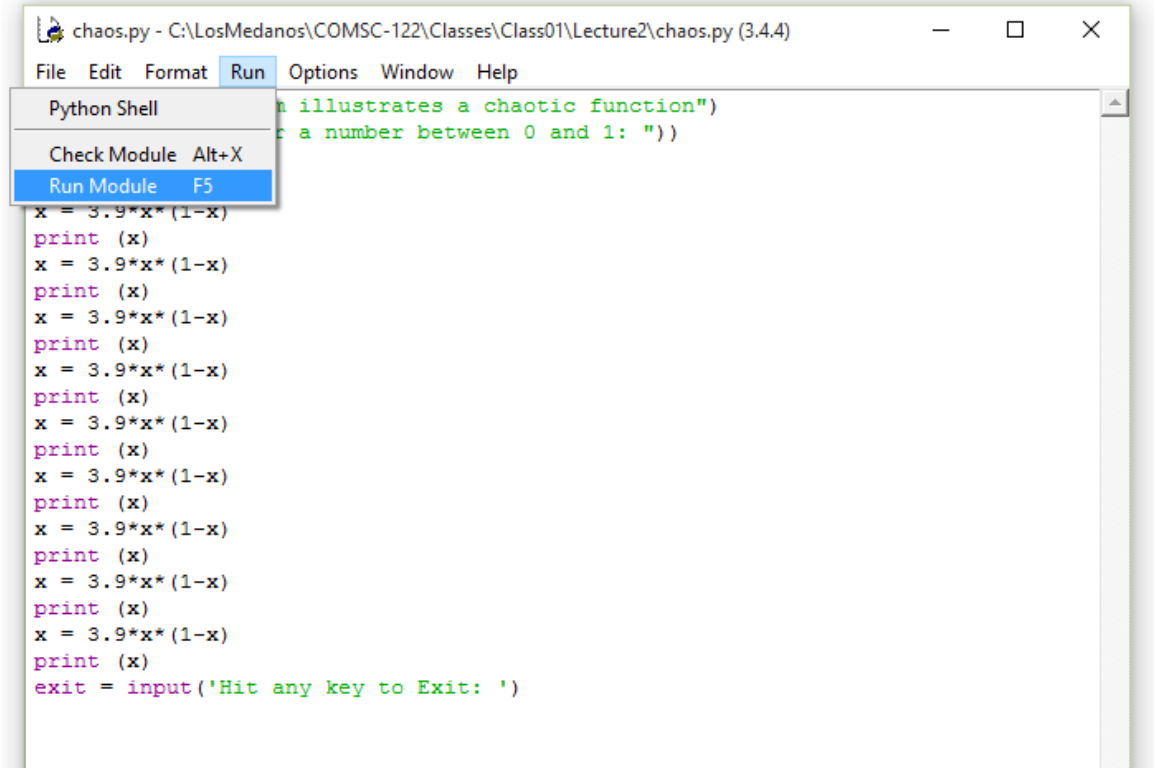
Running a Program in the IDLE Environment

- The program emerges ready to be Run.



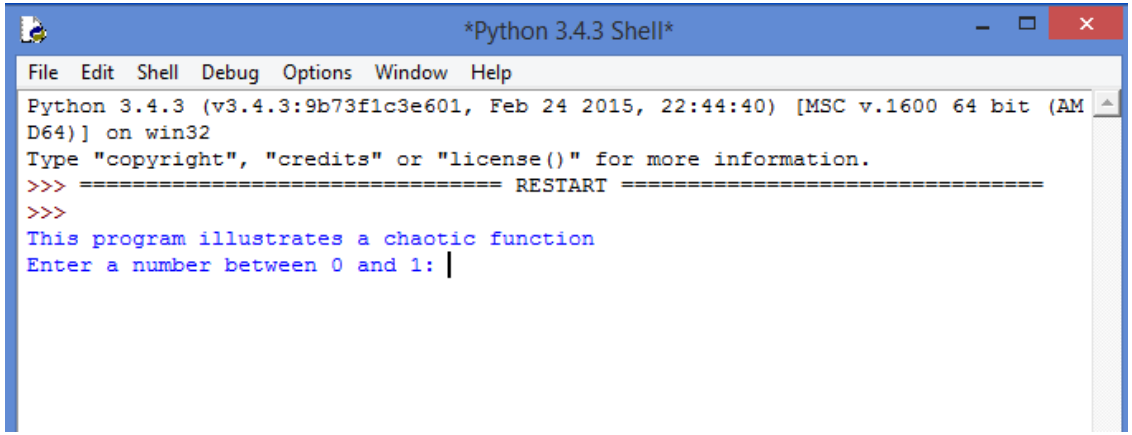
Running a Program in the IDLE Environment

- Click on Run/Run Module or strike F5 key.



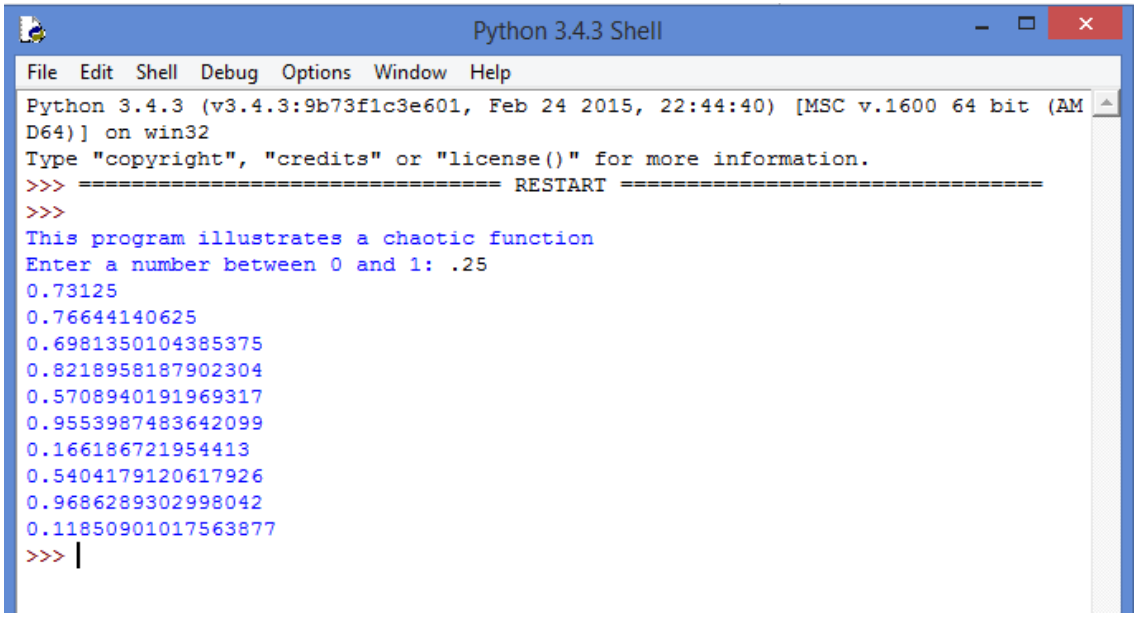
Running a Program in the IDLE Environment

- Now the program executes and asks you to enter a number between 0 and 1.



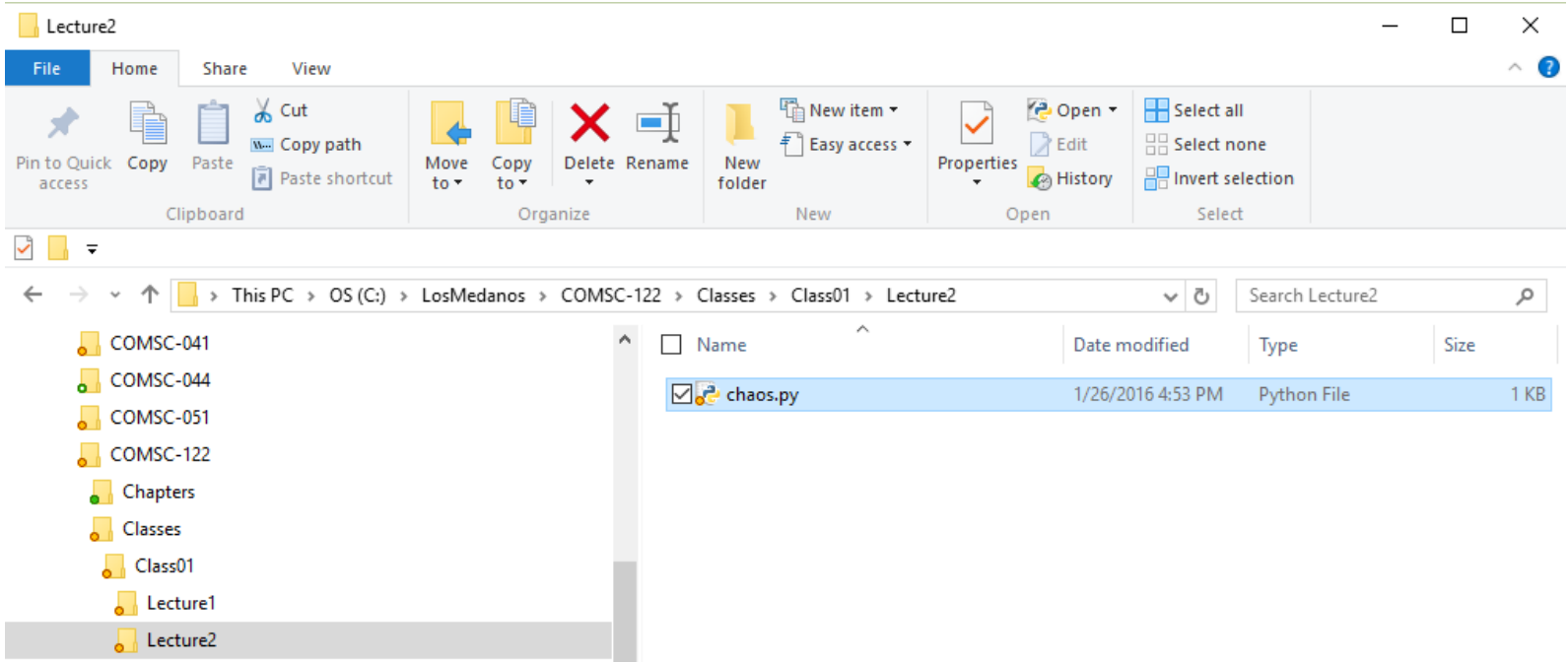
Running a Program in the IDLE Environment

- We will type in .25 and hit Enter.
- 10 lines of output emerge from the program.



Method 2: Run Directly from Windows Explorer

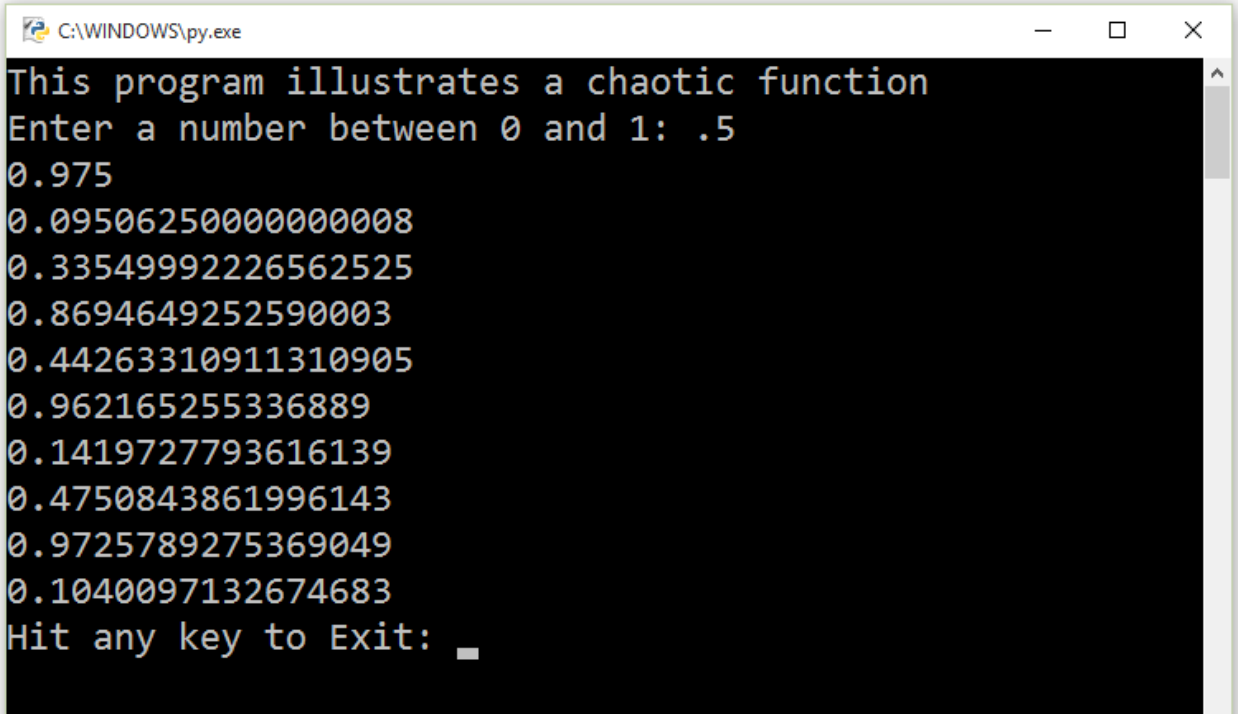
- Double click on chaos.py within Windows Explorer
  - In order to do this the Python Interpreter must be in the Pathway or this won't work.



The Console will Emerge and run the Program

- The key to holding this console on the screen is contained in the last line of the program:

exit = input('Hit any key to Exit: ')



Additional Note

- There are at least three other ways to run a Python program.
  - Interactively
  - From the Python Console
  - From the Windows Console
- Read the document called: PythonInterpreter&ItsUse.pdf for more information on these alternative methods.