

CS 21A Syllabus, Winter 2019, Foothill College

Course Description:

At the end of this course, you will be able to design, implement and test Python 3 programs. You will be able to use modules created by others as well as create your own Python modules. Analysis, problem solving, object oriented programming and software engineering principles such as modularity and documentation will be stressed.

Prerequisite:

Math 105 or 108, or successful completion of intermediate algebra. Previous experience with any programming language (not including HTML nor SQL) is also REQUIRED.

Instructor:

Elaine Haight - haightelaine@foothill.edu - 650-949-7624

Office Hours:

Mondays and Wednesdays from 9 - 9:50 am in Main Campus Room 4114. Other times I can have a face-to-face meeting or a telephone conference with you if you send me your telephone number and a good time to meet or a good time for me to call you.

Laboratory:

Use the computers on campus (STEM Center), or download and install **Python 3** on your own computer. There are also computers for your use on the second floor of the Sunnyvale Center in the computer lab.

Each week you will have a **Laboratory assignment** and a **Discussion question** to answer. Note that the Assignment and Discussion question are due at midnight on Mondays. Each assignment (after "Hello World") is worth 5 points. *If you go two weeks without submitting a completed program you will be dropped from the class.*

For each lab assignment, you must submit both the listing of your program and the run. I will not grade a lab assignment that does not include proof that it runs, which is in the form of a recording of what happens when you run it.

You can submit a late assignment or resubmit an assignment if it will raise your score. I take one point off for each **week** that an assignment is submitted or resubmitted after the due date. This means that if your assignment is one hour

late or 6 1/2 days late, it will still get 1 point off. If your lab is over 7 days late, it will get 2 points off, etc. You *can* redo an assignment, but it will be counted off for being submitted late.

Textbook:

Please choose your own textbook. I can *recommend* the following:

“Python For Everyone” by Horstmann & Necaise

~OR~

The ebook by signing up at learn.zybooks.com ([Links to an external site.](#))[Links to an external site.](#), enter the book

code: **FOOTHILLCS21AHaightWinter2019**, click *Subscribe*

~OR~

A book of your choice. Please choose whatever book looks best to you, but make sure it covers Python **3**.

Exams:

Both the midterm and the final exams are open book, and they will be given online, here in Canvas.

You can take the **midterm** during any one hour window between Thursday, 21 Feb. at 8:00 am ~ and ~ Sunday, 24 Feb. at midnight.

You can take the **final exam** during any two hour window between Thursday, 21 March at 8:00 am ~ and ~ Sunday 24 March at midnight.

Grading:

There will be 10 laboratory assignments, each one is a Python program. Your homework points will be weighted as 50% of your total grade; your midterm and final exam points together will be weighted as 40% of your total course grade. Each week I will post a question to our Canvas Discussion forum; you are required to respond to these questions each week, and your responses will be weighted as 10%. You must get $\geq 70\%$ on the final exam in order to pass the class.

If you earn 97% (or more) of the points available in the class, you get an "A+"; 93% earns an "A"; 90% earns an "A-"; 87% earns a "B+"; 83% earns a "B"; 80% earns a "B-"; 77% earns a "C+"; 70% earns a "C"; 67% earns a "D+"; 63% earns a "D"; 60% earns a "D-"; and below 60% earns an "F".

Academic Honesty:

The work you turn in must be your own. You may ask others for assistance, but your solution must have your "thumbprint" on it, and not be the same as any other student's. If two students turn in identical papers, both students receive zero, with no chance to redo.

If you find code on the internet and incorporate it into your solution, you must credit the author of the code by including a link to the website where you found it. If you use submit a solution under your name and you did nothing but change the variable names, you will be given a 0 with no chance to resubmit.

Student Learning Objectives:

You can see the Student Learning Objectives for this class here: http://www.fgamedia.org/faculty/loceff/cs_courses/common/slos/cs_slos_1.html (Links to an external site.)Links to an external site.

Disability Accommodations:

To receive disability related accommodations, please contact the Disability Resource Center (DRC) as early as possible in the quarter. To contact the DRC, you may do one of the following:

- Visit DRC in Room 5400
- Email DRC at drc@foothill.edu
- Call DRC at 650-949-7017 to make an appointment

If you already have an accommodation notification from DRC, please contact me privately to discuss your needs.

Other Opportunities for Learning:

To find internships, join Foothill's CS club, and attend community meetings of professional organizations, visit:
<http://csoportunities.blogspot.com/>

Important Dates:

Fri, 11 Jan: You will be dropped if you don't answer the first Discussion question by this date

Fri, 18 Jan: Last day to drop with a full refund

Mon, 21 Jan: Campus Closed

Fri, 1 Feb: Last day to file for a Pass/No Pass

Fri, 15 Feb - Mon, 18 Feb: Campus Closed

Wed, 20 Feb: Last day to submit late labs #1-#5

Thur, 21 Feb ~ Sun, 24 Feb: Midterm Exam

Fri, 1 Mar: Last day to drop with a "W"

Thur, 21 Mar: last day to submit late labs #6-#10

Thur, 21 Mar ~ Sun 24 Mar: Final Exam

☰ ▶ 1. Week 1: Introduction

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☰ ▶ 9. Week 9: Modules and Files

☰ ▶ 10. Week 10: A Graphical User Interface