HUDSON COUNTY COMMUNITY COLLEGE
Python Programming – CSC 118
Credits: 3
Prerequisite: MAT 110 Precalculus

Instructor:
Office Location:
Office Hours: Monday –
Phone:
E-mail:

Required Text
Programming in Python by Toni Gaddis

Attendance
Regular attendance is vital. If you miss one day's lecture, it will be very difficult for you to understand the following lecture because each lecture is based on the previous one. A student who is absent more than two times will lose an entire grade (for example, if you currently have an A, you will now have an A-). Each subsequent absence will cause you to lose an additional grade. It is **your** responsibility to make up any missed work. In the event that you must miss a class, you must provide me with either a doctor's excuse, note from counselor, etc.

Course Objectives

Based on satisfactory completion of the course, a student should be able to:

- Understand and use the basic programming constructs of Python
- Manipulate various Python datatypes, such as arrays, strings, and pointers
- Isolate and fix common errors in Python programs
- Use memory appropriately, including proper allocation/deallocation procedures
- Apply object-oriented approaches to software problems in Python
- Write small-scale Python programs using the above skills

Evaluating Criteria
Your final grade will be based on the following criteria:

Item	Weight
Exams	60%
Programming Projects	40%

Programming Projects

Programming projects should be entirely your own work. The following are prohibited:

- Copying portions of a programming code from another students or any other source, including code found in books, into code for your project
- Allowing another student to copy your programming code
- If the above rules are violated, you will receive an "F" for your project

It is acceptable to talk in general terms about the project without getting into details about how to actually program it. In addition, you may seek assistance from tutors, both in and out of class, however; the program that you submit **must** be your own.

Make Up Exams

Make up exams will be given only in extenuating circumstances. It is your responsibility to let me know that you missed an exam. All make up exams are more difficult than the original.

ACADEMIC INTEGRITY

Academic integrity is central to the pursuit of education. For students at HCCC, this means maintaining the highest ethical standards in completing their academic work. In doing so, students earn college credits by their honest efforts. When they are awarded a certificate or degree, they have attained a goal representing genuine achievement and can reflect with pride on their accomplishment. This is what gives college education its essential value. Violations of the principle of academic integrity include:

○ Cheating on exams.

○ Reporting false research data or experimental results.

○ Allowing other students to copy one's work to submit to instructors.

○ Communicating the contents of an exam to other students who will be taking the same test.

○ Submitting the same project in more than one course, without discussing this first with instructors.

○ Submitting plagiarized work. Plagiarism is the use of another writer's words or ideas without properly crediting that person. This unacknowledged use may be from published books or articles, the Internet, or another student's work. When students act dishonestly in meeting their course requirements, they lower the value of education for all students. Students who violate the college's policy on academic integrity are subject to failing grades on exams or projects, or for the entire course. Serious cases may be reported to a

division dean or director for further disciplinary action, including suspension or dismissal from HCCC.

<u>Disability Support Services</u>
Hudson County Community College is committed to providing support to students with disabilities through its Disability Support Services 201-360-4157. To take advantage of these services, students voluntarily disclose pertinent information to the Center for Academic & Student Success (CASS). The Coordinator of Disability Support Services will then schedule a confidential appointment with the student to review documentation and arrange instructional accommodations, as appropriate. Faculty members may not recommend or refer a student to Disability Support Services, unless the student independently requests referral. A complete guide (ACCESS) for students, faculty and staff can be obtained on the Faculty Advising portal page.

Classroom Recording Policy

Hudson County Community College prohibits the audio-visual recording, transmission, and distribution of classroom sessions. Classes may only be recorded with the advance written permission of the instructor. The complete classroom recording policy is listed in the student handbook.

Diversity, Equity, & Inclusion Statement

Hudson County Community College (HCCC) fosters a welcoming environment that celebrates and encourages culturally responsive curricula, respects diverse viewpoints, and values discussions without censure or hostility. Our classrooms are strengthened by embracing all student voices and identities. The President's Advisory Council on Diversity, Equity, and Inclusion (PACDEI) encourages students to review DEI resources and initiatives at the following link: https://www.hccc.edu/abouthccc/dei/pacdei.html

Email Policy

Mandatory Use of HCCC Email Address: Members of the HCCC community are required to check their official HCCC email address to stay current with college and course communications. All college business communication between faculty, students, and staff must be sent via an official HCCC email address. If an employee or student elects to forward or link his/her HCCC email to a separate and private account, that individual remains responsible for all material transmitted to that account. Employees of HCCC shall not be responsible for any material that remains undelivered, due to defects in the private non-HCCC accounts. Failure in the operations of private email accounts shall not be cause for excuse from communications between the student and the HCCC employee. Students that encounter difficulty with HCCC email should view the FAQ's section on the Website.

Emergency Notifications

In case Hudson County Community College is closed due to unforeseen circumstances such as inclement weather, loss of power, etc., students are to call or check the college website and check email accounts for instructions and updates, when possible. HCCC main# (201) 714-7100 or http:/www.hccc.edu. Alternatively, please check Canvas and your college email for important posts regarding classes and the College.

Financial Aid & Attendance Statement

Federal regulations require that students earn their financial aid funds by attending class. Professors collect and report attendance information to verify financial aid eligibility. Failure to begin attending a course may negatively impact the student's financial aid enrollment level and eligibility. If you have any questions, please contact the Financial Aid office at financial_aid@hccc.edu or 201-360-4200.

COVID-19 Syllabus Statement

HCCC strongly recommends that all members of the college community get the COVID-19 vaccine and booster. Additionally, N95 masks are available at building entrance security desks for anyone who would prefer to wear one. Everyone should continue to monitor themselves for symptoms and stay home if they are sick. Please refer to the Return to Campus webpage: (www.hccc.edu/community/returntocampus/index.html), the Return to Campus FAQs: (www.hccc.edu/community/returntocampus/faq.html), and all Return to Campus email communications for more information and updates.

Calendar

WEEK 1

- Variables and Assignments
- Input and Output
- Data Type and Expressions
- Program Style

WEEK 2

- Predefined Functions
- Overloading Function Names

- Void Functions
- Call by Reference Parameters

WEEK 3

- If – else if – else statements

WEEK 4
- **Test 1**
  Nested if Statement

WEEK 5

- Loops

WEEK 6

- Nested Loops

WEEK 7

- User Defined Function

WEEK 8

TEST 2

WEEK 9

- Function Continues

WEEK 10

- Data Files

WEEK 11
- **Test 3**

WEEK 12
- List & Tuples

WEEK 13

- List and Tuples Continues

WEEK 14

Dictionary

WEEK 15

TEST 4