Course:	**EET 107** **Python Programming**	**Dates:** 08/23/2023 - 12/15/2023
Books:	Starting Out with Python Fifth Edition Gaddis 9780135929032	**Instructor:** Matt Geiger Email: mgeiger@northweststate.edu Phone: 419-267-2292
Credits: 3		**Lab Hours:** 3

Course Description

This course teaches common programming topics using the Python programming language. Topics covered include programming terminology, the proper use of variables, input/output techniques, basic decisions, loops, lists, objects and more. Students will complete multiple lab projects intended to reinforce the learning topics covered.

Course Learning Objectives:

- Describe basic programming concepts such as compiling, portability and debugging.
- Process user input and create useful output.
- Use properly named variables to store program data.
- Use arithmetic operators to solve programming problems.
- Employ functions to improve the maintainability of program code.
- Apply and troubleshoot decision operators as necessary to create functional programs.
- Employ loops into functional programing solutions.
- Manipulate string data.
- Create and process data organized as a list.
- Construct basic objects using class definitions.

Program Learning Objectives:

- Gain an understanding of structured programming concepts
- Demonstrate software skills
- Write and debug programs

Grading:

Labs	30%	A	90-100
Quizzes	20%	B	80-89
Tests	40%	C	70-79
Class Participation/Attendance	10%	D	60-69
		F	<60

Format:

This is a hybrid course. Most of the reading, lecture and demonstrations will be done outside of class via the book and video presentations of the material. Those items need to be completed *prior to* the in-person lab meeting. The in-person lab portion will consist of:

- Reviewing and answering questions over the material that was to be covered.
- A short discussion of the labs and possible techniques for solving them.
- Interactive lab time to work on solutions to the lab assignments with assistance if needed.

It is important that you complete the required reading and videos and attempt the labs prior to coming to the class meeting. This will enable you to get any in-person assistance and guidance you need to successfully complete the labs.

Assistance outside of the lab times will be via electronic resources. You must have read the materials, done the examples along with the videos, made an attempt at completing the lab and pushed your code to the assignment repo. I will look at your code and offer advice via the feedback pull request of the repo. That feedback item is a two-way street for you to comment and ask for clarification as well. If the written communication is not enough, we can set up an online meeting. In-person assistance with labs is during the scheduled lab time, which means you must come prepared.

Labs:

Labs are assigned the week the material is covered and unless otherwise noted you will have at least one week in which to complete and submit the assignment. One week's assignment(s) may be submitted up to one week late with no penalty. Additional assignments turned in up to one week late will receive a 50% grade reduction. No material will be accepted if it is over one week late. You may use any accessible resource to complete labs as long as you are the one who actually does the work. Your instructor will answer any lab related questions without penalizing your grade.

Quizzes:

There will be several multiple-choice quizzes throughout the class. The multiple-choice tests are very similar to the end of chapter questions. Completing the end of chapter questions is a good way to prepare for the multiple-choice quizzes. All multiple-choice quizzes are given online and must be completed prior to the due date. Multiple choice quizzes are timed, and you will normally have one minute to read and answer each question. You may use your textbook as a reference when taking the quiz (open book). You may also use any notes that you created while studying the chapter. You may use online material (i.e. the chapter presentation or Google) while taking the multiple-choice quizzes. You may not ask others for assistance on a test. ***Late quizzes are NOT accepted*** but your lowest quiz score will be dropped. You may ask your instructor for clarification on a question, but they will not answer the question for you.

Tests:

There will be several tests given during the semester. These are in-person tests that must be done in the presence of the instructor. The tests will be very similar to the lab assignments. The tests will be timed. Late hands-on tests will not be accepted. You must complete the hands-on tests on your own and you cannot ask others for assistance.

Participation:

Participation includes attendance, communication with the instructor, participating and completing lab assignments, quizzes and tests in a timely manner.

Assessment of Student Learning:

The tests and labs given during the semester will require the student to demonstrate the skills that they have acquired during the class. Successful completion of these tests and labs will show that the student has the ability to take the individual topics presented in the class and combine them into a solution that is similar to what they will encounter in the workplace.

Time Needed for Classwork:

The average successful student will schedule 4 to 8 hours per week for reading and studying the textbook and other supplemental material. The average successful student will schedule 6 to 12 hours per week to lab work and hands on tests.

Withdraw Information:

Refund and withdrawal dates for this course can be found under the Calendars/Schedule link on the NSCC homepage (www.northweststate.edu). Select the semester and scroll down to the course number. Withdrawing from a course can affect your financial aid eligibility. The student accepts full responsibility and consequences for withdrawing from classes.

ADA information:

Students should contact the Accessibility Services Office in office C140C or via phone at 419-267-1334 to coordinate reasonable accommodations arising from documented disabilities. Service dogs require coordination through the Accessibility Services Office. If you request an accommodation through the Accessibility Service Office contact me privately to discuss your specific needs

Video Taping:

Unauthorized video or audio taping of the classroom lecture is strictly prohibited.

Early Admit Students Information:

- We do not provide extraordinary protection for the student who is a minor.
- We do not filter or monitor the computers on our campus.
- Class subject matter may contain provocative content.
- FERPA rights belong to the student.

Etiquette guidelines:

- Be respectful and professional with your comments to your peers and instructors
- Do not use all caps when responding online. It may appear as if you are yelling.
- Avoid text shorthand (ie. SMH, FWIW)
- Spell check your submissions before posting.
- Think about how the message will come across before you press send. Many times we do not realize how a message may be interpreted.
- Be resourceful, and try to find the answers to your questions in the course syllabus and materials before emailing our instructor. This will allow the instructor to dedicate more time and energy to helping with problems that don't have an easy answer.

Academic Honesty:

- The college's policy on academic honesty is covered in the college catalog
- Any form of academic dishonesty will not be tolerated
- The classroom is not a court of law – In the classroom the burden of proof lies on the defendant and not on the prosecutor
  - In other words, the student needs to be able to prove they are not guilty
- Penalties:
  - 1st Offense – Automatic failing grade on the assignment which cannot be made up – Incident will be reported to the dean and placed in your record – Instructor has the option of giving the student a failing grade for the class
  - 2nd Offense – Automatic failure of the class – Incident will be reported to the dean and placed in your record
  - 3rd Offense – Expulsion

Religious Accommodations
NSCC faculty are committed to fostering an environment of respect, understanding, and reasonability, including as it relates to learners' engagement in religious expression. As such, faculty shall provide reasonable religious accommodations to individual learners for sincerely held religious, spiritual, and/or faith-based beliefs and practices. In accordance with NSCC's *Religious Accommodations* Policy:

1) A learner shall be permitted to be absent for up to three (3) days each academic semester to observe holidays for reasons of faith or a religious or spiritual belief system, or to participate in organized activities within the scope of a learner's religious denomination, church, or other spiritual organization.
2) A learner must notify the instructor of the need for religious accommodations within fourteen (14) days of the first (1) day of instruction in this course. The notice should provide specific dates for which the learner requests alternative accommodations.
3) A learner will be provided with alternative accommodations with regard to examinations and other academic requirements missed due to an absence described in Item No. 1.
4) No academic penalty shall be imposed on the learner as a result of an absence that is properly requested and protected under this policy, as set forth above.

Further information pertaining to NSCC's *Religious Accommodations for Students Policy* can be found in the policies and procedures manual, under Policy No. 3358: 14-5-24 and Procedure No. 5-24 (A). Additional information may also be obtained by contacting Dan Burklo, Vice President for Academics at dburklo@northweststate.edu.

Title IX Responsibilities:

NSCC faculty are committed to supporting our students and providing an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault, we encourage you to report this. If you report this to a faculty member, she or he must notify NSCC's Title IX coordinator. The Title IX coordinator will assist the student in connecting with all possible resources both on and off campus.

Instructor Schedule:

By Appointment

Class Calendar:

The class calendar can be found in Sakai.

Changes to the Syllabus:

The instructor reserves the right to change this syllabus. If changes are necessary, they will be announced online using either the class forum or email. It is the student's responsibility to regularly check their email and the class forums.