

<b>Course:</b>	<b>EET 107 Python Programming</b>	<b>Dates:</b> 08/24/2022 - 12/17/2022
<b>Books:</b>	Starting Out with Python Fifth Edition Gaddis 9780135929032	<b>Instructor:</b> Matt Geiger Email: <a href="mailto:mgeiger@northweststate.edu">mgeiger@northweststate.edu</a> Phone: 419-267-2292
<b>Credits:</b> 3	<b>Lab Hours:</b> 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 programming 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	50%	A	92-100
Quizzes	20%	B	84-91
Tests	30%	C	76-83
		D	60-75
		F	<60

### *Labs:*

Lab work makes up 50% of your grade in this class. 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 text book 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 throughout the semester. The tests will require you to debug an already written program. The tests are given during class. Tests must be done during the assigned class period unless prior arrangements are made with your instructor.

### *Bonus Points:*

You can earn bonus points by informing your instructor of typos or other errors in any of the class material that can be updated by your instructor. For each problem you find you will have 10% added to one of your lab assignments.

### *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 text book 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](http://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.

### *Post-Secondary Education Opportunity student (PSEO) 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:
  - 1<sup>st</sup> 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
  - 2<sup>nd</sup> Offense – Automatic failure of the class – Incident will be reported to the dean and placed in your record
  - 3<sup>rd</sup> Offense – Expulsion

### *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:*

TBD

### *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.