West Fargo High School
Programming with Python (1/2 credit)
2023
Course Syllabus

Contact Information, Classes, Rooms

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WFHS: 116G

Course Description

The world's tech companies love Python. Google, YouTube, Facebook, IBM, NASA, Dropbox, Yahoo, Mozilla, Quora, Instagram, Uber and Reddit are just a few of the big names that use Python for a wide range of purposes and are continuously on the lookout for Python engineers. Python is a programming language, which is used to develop websites, web applications, GUI, network servers, back-end APIs, desktop apps, medial tools, and machine learning. You can also use Python to analyze data and "glue" other languages together.

Course Schedule/Outline/Calendar of Events*

Unit:	Topic:
1	Introduction to Python
2	Data Types and Conditionals
3	Functions
4	Nested Loops and Lists
5	Music Programming
6	Dictionaries
7	Introduction to Object Oriented Programming
8	Final Project

*This is subject to change as the semester goes on. *

Classroom Expectations

- No food or "open-lid" beverages in class.
- NO PHONES IN CLASS
- You will use the same laptop all semester.
  - Plug it in when done and wrap up mouse.

- Bring a fully charged iPad to class every day.
- Turn in all work on time as assigned.
- Complete work as assigned with thought and intention.
- Participate in class lectures and discussions.
- Working together with classmates is encouraged.
  - Zero tolerance for copying, plagiarism, cheating in any form.
- Trial and error
- Challenge yourself and get out of your comfort zone
- Flexibility / Adjustability
- Patience
- RESPECT
- Communicate with me about missing assignments, days absent, accommodations, etc.
- NO packing up early – 2 minutes before the bell rings.
- NO lining up at the door.

Evaluation Procedures and Grading Criteria

A = 100-90%   B = 89-80%   C = 79-70%   D = 69-60%   F = < 60%
Students will be expected to complete the following as part of their grade:

- Assignments (Do Now's, Labs, videos, readings, etc.)
- Quizzes/Tests
- Projects
- Discussions
- Participation
- Professionalism

Your professionalism grade may be impacted if any of the following occur:

- Unexcused tardy to class
- Unapproved late work
- Inappropriate language (swearing, hate speech, etc.)
- Inappropriate classroom behavior (talking when the teacher is talking, getting off task, etc.)
- Anything deemed disrespectful or inappropriate
- Excessive use of cell phone and/or playing games on laptop.
- Bringing food and/or "open-lid" beverages to class.

What are the policies regarding late work?

Turn in work when it is due. Use work time in class wisely. Life happens, so please communicate with me if you are unable to complete an assignment on time or need an extension. I will try to make sure you get enough time in class to finish work due to everyone not having equal access to a computer and internet access.

Resources/programs/services for you

WFHS/SHS provides programs such as the Backpack program, the hygiene table in front of the counseling office, a closet full of clothes for students to take, and many other services for students and their families. Please come talk to me about any of these if you have questions.

A few important pieces of information

School hours are 8:00am – 4:00pm. I will try to respond to emails/messages after school hours, but I want you to know that there is no guarantee of this.

I will always have an open-door policy. You are welcome inside my class to work on anything at any time, to talk to me about anything at any time, etc.

You have my trust until you don't. All it takes is one time.

I know how all the tricks work – I've tried them all 😉

I am holding all of you to a high standard.

Learn together.

There will be a lot of self-teaching in this class. I will introduce a topic and you will explore and learn through doing. Think of me as a "Guide on the Side".

Be here. Be present. Engage. Have an open mind. Listen to your peers. Have fun.