## Introduction to Python - CMPSC X420.P

Mondays 6pm - 9pm, Oct 7 - Dec 9

Instructor: Julie Nisbet - jmnisbet@gmail.com - 805 450 7635

## Course Goal

This is a beginning programming course that will introduce students to the role programming can play in your life, regardless of whether or not you want to become a Software Engineer. Python is a great first language because it has a simple syntax, is easy to get setup and is fun and easy to write. Despite its simplicity, it’s also really powerful and is used by some of the biggest companies out there.

## Tentative Course Schedule

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| Date | Class Topic |
| Oct 7 | Introductions, Environment Setup, Your First Python Program, Variables, Simple Data Types (Numbers, Strings, Booleans) |
| Oct 14 | Functions & User Input |
| Oct 21 | Lists & Dictionaries |
| Oct 28 | Loops |
| Nov 4 | Making Decisions |
| Nov 18 | Reading Files |
| Nov 25 | Classes & Intro to Object Oriented Programming |
| Dec 2 | Catch Up Week / Project Work |
| Dec 9 | Project Presentations |

## Grading

* Attendance / Participation - 40%
* Weekly Assignments / Quizzes – 30%
* Final Project – 30%

## Requirements

* Laptop (not a Chromebook)
* Repl.it account (for weekly assignments)
* Some energy on Monday evenings

## Recommended Resources

* Python Crash Course - A Hands on Project Based Introduction to Programming by Eric Matthes (Not required)
* r/python and r/learnpython subreddits
* https://pyslackers.com/web