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

Date	Class Topic
Oct 7	Introductions, Environment Setup, Your First Python Program, Simple Data Types (Numbers, Strings, Booleans)
Oct 14	Variables & 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