



# CS 22A-01: PYTHON PROGRAMMING FOR NON-MAJORS I

## CS 22A-01: Python Programming for Non-Majors I

This course is designed to teach computer programming to non-Computer Science majors. It situates computer programming within interesting, relevant, and practical contexts. Python is widely used in research and industry. Students will learn how to manipulate images and videos, explore digital music, build databases and Web pages and automate data analysis in life science and other applications. The course will cover fundamental programming constructs such as data structures and algorithms, iterations, functions, and other core concepts.

**Who should enroll?:** Students interested in learning computer programming with no programming experience.

**Textbook:** Guzdial & Ericson. Introduction to Computing and Programming in Python, 4/E, 2016.

**Prerequisites:** This course is intended for students who have no prior programming experience.

### Registration Details:

Instructor: Virginia Lehmkuhl-Dakhwe

Course Number: CS 22A

Class Number: 47474

Dates: 8/24/2017 – 12/7/2017

Day/Time: TuTh, 1:30PM – 2:45PM

Room: DH 450

Computer Programming \* Creativity \* Abstraction \* Data and Information processing \* Algorithms