

# PYTHON 1 SYLLABUS

<https://www.msrammohan.com/>

Fall 2020

Welcome to Python I, an introductory computer programming course that uses the Python programming language to familiarize you with fundamental programming concepts and practices. Python, by many surveys, is one of the most widely used and popular programming languages in the world and is an excellent choice for a first programming language.

## Course Content and Delivery

This course focuses on mastering fundamental concepts and practices and is delivered through a combination of paced instruction and practice combined with video tutorials, peer collaboration, and individualized instruction (when appropriate). Our main goal is mastery of the content and the skill, with an eye towards common structures between most programming languages

## Unit/Module Assignment Structure

Unit	Module
Python Basics and Programming Fundamentals	<ol style="list-style-type: none"><li>1. Python Basics</li><li>2. Functions</li><li>3. Conditionals</li><li>4. Nesting and Loops</li></ol>
Sequence Manipulation / Iteration and working with files	<ol style="list-style-type: none"><li>5. Sequence Indexes</li><li>6. Sequence Manipulation</li><li>7. Sequence Iteration</li><li>8. Working with Files</li></ol>
Python Modules: Code, Statements, Documenting Functions, Scope	<ol style="list-style-type: none"><li>9. Python Modules</li><li>10. More Powerful Statements</li><li>11. Methods and Structures for Robust Code</li><li>12. Documenting Functions</li></ol>

## Grading

### Course / Term Weights

Term	Weight
Q1	40%
Q2	40%
Final Exam	20%

### Quarter Grading

Grading Category	Percent of Quarter Grade	Points Range
Assessments – Quizzes or Assignments	50%	0 to 10
Warm Up and Exit Activities	10%	0 to 5
Tests	20 %	0 to 50
Projects / Practice Labs	20 %	0 to 50

### Instructional Materials and Supply List

Python I does not use a textbook; instead, all instructional material is online and can be found on the teachers Canvas page / Website. I recommend you always use a flash drive to save your work. Do not rely solely on your student account to save your documents. Notes will come mostly from PowerPoints, Canvas modules, and other documents.

Block	Course	Google Classroom Code
1(A-B)	Python Programming 1	ogfiesu
2(A-B)	Python Programming 1	uf64opk