

CSC 7003 Programming for Data Science (Bootcamp Style Python Programming) SUMMER 2023

Course Details

Dates: July 6, 11, 13, 18, 20, 25
Time: 5.30 pm to 8.30 pm
Mode: ONLINE
CRN: 52799
Credits: 1.5 Credits
Instructor: Dr. Raj Sunderraman (raj@gsu.edu)

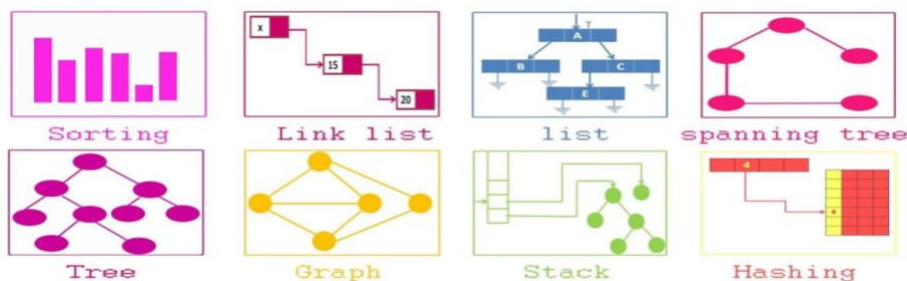
Course Description

A bootcamp style Python Programming course that provides an overview of data science programming. It will provide programming preparations for students who are interested in sharpening their programming skills. The course covers a variety of topics including algorithmic complexity, object-oriented programming, lists, hash tables, recursion, binary trees, heaps, sorting algorithms, and graphs. The course will include a series of programming assignments that will complement the concepts.

Topics

- Python basics including data types, program control-flow, input/output, data structures such as Strings, Lists, Sequences, and Dictionaries.
- Abstract Data Types to implement heterogenous data structures.
- Stacks, Queues, Linked Lists, Hash Tables, Trees, and Graph structures.
- Database access via Python.

To Register: Please email raj@gsu.edu



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