

INTRODUCTION TO DATA STRUCTURES AND ALGORITHMS

August 2020

Instructor:	Kevin Zhang	Time:	Sun 1:00PM – 2:30PM
Email:	zhangs37@mcmaster.ca	Place:	Skype.

Course Pages:

1. <https://github.com/ShuAiii/Introduction-to-Data-Structures-and-Algorithms>

Office Hours: Wednesday 6:00PM – 6:30PM

Main References: Please refer to class notes, course website and Stackexchange.

Objectives: This course serves as the first course to the programming language Python. It is designed for high school students with no programming experience.

Prerequisites: Basic understanding of arithmetic and logic.

Tentative Course Outline:

Week 1 (Aug, 9) - Python installation, compilers and editors, variable types, print and input.

Week 2 (Aug, 16) - Lists, loops, breaks, exceptions.

Week 3 (Aug, 23) - Functions, import library.

Week 4 (Aug, 30) - More advanced functions, calling functions from other functions.

Grading Policy: Assignment 1 (15%), Assignment 2 (15%), Assignment 3 (15%), Final Project (45%), Class Participation (10%).

Due Dates (Every Friday):

Assignment #1	Aug, 14, 2020
Assignment #2	Aug, 21, 2020
Assignment #3	Aug, 28, 2020
Final Project	To Be Announced