**SEP100 Programming Fundamentals – Addenda (Rough Copy)**

* Introduction (Week 1)
* Computations (Week 2)
* Structured programming constructs (Week 3)
* Data Structures (Weeks 4, 8)
* Functions (Week 5, 8)
* Pointers (Week 5)
* Testing and Debugging (Week 6)
* Refinements (Weeks 9)
* Classes (Weeks 10-12)
* Secondary Storage (Week 13)

See: <https://ict.senecacollege.ca/~btp100/pages/timeline.html>

See: <https://ict.senecacollege.ca/~btp200/pages/timeline.html>

**Week 1**

Introduction

Compilation

**Week 2**

Types (including enumerations)

Computations (plus, minus, modulus, divide, multiplication,…)

Expressions

Logic (if else, switch)

**Week 3**

Loops (for, while, do-while)

Arrays

Coding Style

**Week 4**

Structures

Testing and Debugging

**Week 5**

Functions

Pointers

**Week 6**

Design

**Week 7**

Midterm

**Week 8**

Functions, Arrays and Structures

Secondary Storage (File I/O) – Text Files

**Week 9**

Classes

Design

**Week 10**

Classes – Construction and Destruction

Classes – Overloading

**Week 11**

Classes – Encapsulation (Privacy)

**Week 12**

Dynamic Memory

Linked Lists

Secondary Storage (File I/O) – Records and Fields

**Week 13**

Standard Library (iostream)

Language Standards

**Week 14**

Final