**Brief on COMP 1516**

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**TAE 5 Scenario 1**

**9th July 20231**

**On May 5, 2023**

1. **Course**
   * I will take Programming Fundamentals Part 1 (Python) (COMP 1516), a 4-credit, first-year diploma course in the Computer System Technology program at BCIT.
   * I believe that Programming Fundamentals Part 1 (Python) mainly concerns Students with no prior computer programming experience who are introduced to using Python to write simple programs.
   * The orientation for my program is on 29th April 2024.
2. **Classroom and instructor**
   * My classroom is not shown on the course outline but should be on the Burnaby campus.
   * The instructor of this course is Jason Wilder.
   * His details will be provided by himself.
   * Should I take my computer to the class? Which kind of software that I need to prepare?
3. **Key terms**

* Compile
* Variable
* Function
* System
* Parameter
* Array
* Access
* Package
* Import
* Private

1. **Vocabulary**

* Algorithm: A step-by-step procedure for solving or performing a problem.
* Variable: A named storage location in memory that can hold a value.
* Function: A named block of code that performs a specific task or calculation.
* Loop: A control structure that allows repeated execution of a code block.
* Condition: A statement determining whether a specific condition is true or false.
* Array: A data structure that stores a collection of elements of the same type.
* Class: A blueprint for creating objects with similar properties and behaviours.
* Object: An instance of a class representing a real-world entity with its properties and behaviours.
* Method: A function associated with an object or a class.

1. **Assessments**
   * One of the most significant assignments is Python’s basic operation, which is worth 20%.
   * It has four components, each part worth 5%:

* Setup
* Variables
* Expressions
* Naming Conventions
* Python’s basic operation is to make sure that students can use Python to finish their tasks. The detail of this assignment has not been shown yet.

1. **Required texts**

* This course uses online resources provided by our instructor; no textbook is required.

1. **Online resources**
   * Algorithm

<https://en.wikipedia.org/wiki/Algorithm>

* + Python

<https://www.w3schools.com/python/default.asp>

* + Array

<https://en.wikipedia.org/wiki/Array>

1. **Feelings**
   * I am most excited about Python’s basic operation because I have learned some basic knowledge about C++. Although I know that they are entirely different programming languages with different forms and rules, they still share the same programming idea, which might be helpful for me.
   * The most concerning part is also about Python because learning a new programming language is challenging, just like I should learn English when I came here instead of using Chinese.
2. **Goals**
   * I will get 80% or more in COMP 1516
     + I will study 1 hour for Python in my rest time every day.
     + I will always review my C++ knowledge as well.
     + I will try to build some stuff myself in Python or C++.
     + I will review the academic vocabulary on the bus every day.
     + I should pass the final exam with at least 70%.
3. **Success statement**
   * I will succeed in COMP 1516 because:
     + I have previewed some knowledge and have practised programming.
     + I like this course.