



L'excellence à la portée de tous !

Un ministère de Calvary Chapel-Port-au-Prince

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Syllabus

Course Title

C PLUS PLUS

I. Course Objectives

The objective of this course is to help the student master the widely used programming language, C++, through practical projects: Desktop and Web Applications.

II. Prerequisites

Python

Databases

III. Materials and Books

Book: Absolute C++ FIFTH EDITION by Walter Savitch.

IV. Course Content

- Variables, Expressions, Assignment, Console Input/Output, Comments
- Constants, Control Flow, Types, Conditions
- Loops, Files, Functions
- Variable Scope, Parameters, Overloading, Testing
- Arrays, Structures, and Classes
- Vectors, Templates, Operator Overloading, and Friend Functions
- Character Manipulation, Pointers
- Separate Compilation, Recursion, Inheritance
- Linked Lists, Exceptions, Iteration

References

- TutorialsPoint C++
- C++ Articles
- Microsoft C++ Installation Guide

Course Regulations

The student must be present at all times, except in case of an issue addressed by the administration, for which the justification is accepted by the administration of the university.

The final grade is a combination of:

1. Projects and tests 50%
2. Finals 50%