Instructor: David S.L. Wei, JMH328B/LL610H/G, e-mail: dsl.wei01@gmail.com; wei@dsm.fordham.edu


References:

The students will learn the following:
- Concepts and skills of programming in C++
- Problem solving skills, i.e. given a problem, one should be able to develop an efficient problem solving method (i.e. computer algorithm)

EVALUATION

Your grade will be based on your performance on the following works:

- Attendance and Class Participation ..... 5%
- 5 assignments ……………………….35%
- Midterm ……………………………..30%
- Final …………………………………30%

Total ……………………………….100%

There is NO makeup for midterm and final except that the instructor gives the prior approval.

Topics to be covered

1. Introduction to Computer System
2. C++ Basics
3. Data Types in C++
4. Flow Control
5. Structure Data Types
6. Functions and Procedures
7. Pointers and Dynamic Arrays
8. Data Structures and algorithms in C++
9. Concepts of Object-Oriented Programming (if time permits)