Course Schedule

Tentative weekly schedule

Note: To ensure that you are on time with reading material, please follow the schedule below. Assignment and Lab due by Midnight of the date indicated.

The two dates of following list (e.g. 127-210) are:

- *1st date 1/27 when the lecture, materials and assignment is available.*
- *2nd date 2/10 when the assignment/project submission is closed.*

PART-1 Define and Declare a Class

127-210 PRE Ch 11 Structured Data 613

127-210 AS01 Ch 13 Introduction to Classes 719

210-217 AS02 Ch 14 More about Classes 817

217-224 AS03 *Project 1 Fractional Number*

PART-2 OOD as easy as "A-PIE"

224-302 AS04 Ch 15 PIE and Virtual Functions 907

302-309 AS05 PIE cont. *Project 2 Object Conversion/Composition* **OOP3 (http://www.ntu.edu.sg/home/ehchua/programming/cpp/cp3_OOP.html)** **OOP6 (http://www.ntu.edu.sg/home/ehchua/programming/cpp/cp6_Inheritance.html)**

309-316 AS06 Ch 16 Exceptions & Templates 989 **OOP8 (http://www.ntu.edu.sg/home/ehchua/programming/cpp/cp8_Template.html)**

PART-3 Containers

316-323 AS07 Ch 17 Standard Template library 1029

323-406 AS08 Ch 18 Linked lists 1123

328-405 Spring Recess

406-413 AS09 Ch 19 Stacks and Queues 1165 (Templated Linked List)

415 Midterm Exam (M01 - M07)

PART-4 Recursion

413-420 AS11 *Project 3 Infix Calculator*

420-527 AS12 Ch 20 Recursion 1223

427-512 AS13 Ch 21 BST - Binary Search Trees 1257

505-521 AS14 *Project 4 Self Balancing BST*

512-521 Term Review

521 - Final Exam

Convention:

01 128-211 AS00 Ch 11 Structured Data 613
01: week 01
128: available on 1/28
211: module close on 2/11
AS00: Assignment Designation
Reference: Chapter 11 Structured Data of Gaddis 9th edition starts @ page 613