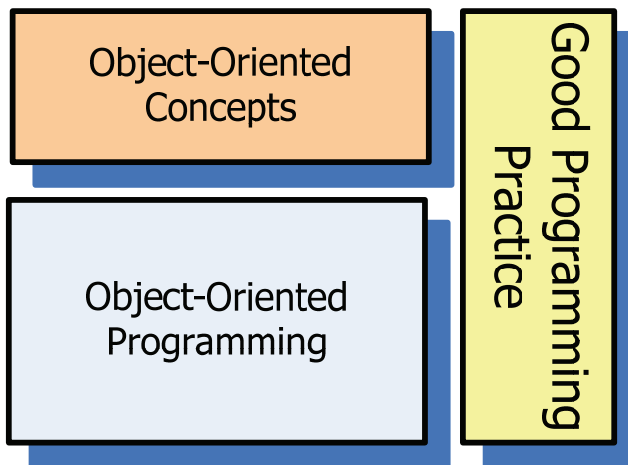


## Overview of IS Software Foundations

### 1. Synopsis

This course is intended for any student who wishes to gain some fundamentals about the building blocks of Information Systems. The course introduces students to object-oriented concepts, problem solving, and provides an overview to software modeling and software processes. Java, an Object-Oriented programming language is used as the vehicle of exploration in this course.



### 2. Waiver Test

Students with prior strong programming background will be automatically exempted and notified via email by end July.

Students who are not exempted and wish to be exempted must sit for a waiver test. Two rounds of waiver test will be conducted; one before BOSS and the other on the first day of school.

The test is a laboratory-based and closed-book. You will be asked to write code using one of our machines in the lab. Details as follow:

- No Internet access will be provided.
- Java API documentation will be provided in the machine.
- Notepad, javac and java will be provided. There is no IDE (Eclipse, Netbeans etc) installed.

We expect students who take the test to be able to

- Compile Java files in command window.
- Read Java API.

- Adhere to Java coding convention (<http://java.sun.com/docs/codeconv/html/CodeConvTOC.doc.html>).

### **3. Objectives**

Upon completion of the course, students will be able to:

- Create simple console applications
- Understand the concept of Object-Orientation
- Detail the process of developing an application

### **3. Prerequisites**

None. The course is designed for students in the BSc (IS Management) programme, but it is open to students from all schools.

Students are encouraged to attend SL110 (Introduction to Java Programming) offered under the enrichment programme ( <http://www.sis.smu.edu.sg/enrichment> ).

**[Click here for detailed version](#)**