

Programming 2

Module Introduction



Teacher responsible for the course

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Passing the course

- Not being absent from more than 20% lessons (lectures and tutorials)
- Final grade >= 5



Final grade calculation

• Final grade is calculated as the weighted sum of the grades from dicussion part (A) and assignment part (B) and final exam part (C)

Final mark = (0.1 * A) + (0.3 * B) + (0.6 * C)



Test

• Attendance:

The requirement for taking final exam is attending more than or equal 80%

- No mid term test
- Final test covers 60% final grade



Assignment

• You will have 2 assignments (A1, A2). Each assignment will cover 50% of your assignment mark.

assignment mark = A1 * 0.5 + A2 *0.5

• Late submission will cost you 10% mark per day.



Nature of the module

This module is an advanced programming module. It consists of three parts.

- Part 1: Students will be introduced to the programming language concept and a classification of languages.
- Part 2: Introduces the students to concepts, features and benefits of OOP.
 Students will apply this knowledge to develop a basic object oriented program.
- Part 3: Student will learn some advanced concept in Java programming (Collections, Exception, I/O handling, Generic, GUI) and implement in practice.



Learning Objectives

Upon completion of this module, students are expected to:

- Understand OOP concept, features and benefit.
- Apply OOP to solve basic problem.
- Using knowledge of Collections, Exception, I/O handling, Generic, GUI in solving practical problem.



Recommended textbook

- Le Minh Duc Object Oriented Program Development
- Sommerville 2011 Software Engineering
- Guttag, Liskov Program Development in Java
- Joshua Bloch Effective Java
- Herb Schildt Java the complete reference
- Scott Programming Language Pragmatics