



Basic Programming



Course information

- Credit points: 4
- Lectures: 15x3 hours;
- Lab: 30 hours / 15 sections
- Lecturer:
 - Lê Phi Hùng



Course Overview

- How to design program
- Back ground of Java Programming language
 - Data types
 - Variables & Assignments
 - Arithmetic Operators & Expressions
- Java Object oriented programming
 - Class, Object, Constructor, Method
 - Encapsulation, Inheritance, Polymorphism
- Test driven development
 - JUnit test
- IDE (Intergrated Development Environment)
 - Eclipse
 - Netbean



TextBook

- Matthias Felleisen, Matthew Flatt, Robert Findler, Kathy Gray, Shriram Krishnamurthi, Viera K. Proulx, ***How to design class hierarchies***, 2012.
- Matthias Felleisen, Robert Bruce Findler , Matthew Flatt, Shriram Krishnamurthi, ***How to design programs***, 2001 Massachusetts Institute of Technology.



Assesment

- Final exam: 50%, opened-book, lab test
- Midterm exam: 20%, opened-book, lab test
- Assignments: 30%
 - Assignments (10% + 20%)
 - Late submission (without valid excuse): zero mark.
- Weekly lab exercises / homework: (-10% → 0%)
 - Bad performance will result in up to 10% OFF.
- Overall attendance: a bsences 40%, not allowed to final exam.