



# Basic Programming



# Course information

- Credit points: 4
  - Lectures: 15x3 hours;
  - Lab: 10x3 hours
  - Lecturer:
    - Lê Phi Hùng
- Phone: 0908005585
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# 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: 30%, opened-book, lab test
- Assignments: 20%
  - Assignments (10% + 10%)
  - Late submission (without valid excuse): zero mark.
- Weekly lab exercises / homework: (-10% → 0%)
  - Bad performance will result in up to 10% OFF.
- Overall attendance: absences 40%, not allowed to final exam.