

## OBJECT-ORIENTED LANGUAGE AND THEORY

### 0. INTRODUCTION TO COURSE

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1

## Course objectives

- Common knowledge of object-oriented programming languages using Java, a pure OOP language
- Basic and elementary concepts and notations of object-oriented theory using Unified Modeling Language (UML).

2

## Programming language/tools

- Modeling language: UML
- Software design tool: Astah
  - Free for students
- Programming language: Java
- IDE: Eclipse
- Version control: Github



3

## Assessment

- Mid-term score: 50%
  - Hands-on labs and Mini-Project (40:60)
  - Submission Channel: <https://github.com>
    - Add to your project member:  
trangntt.for.student  
([trangntt.for.student@gmail.com](mailto:trangntt.for.student@gmail.com))
- Final score: 50%
  - Final exam

4

5

## Reference books

- **Object-Oriented Programming and Java.** Danny Poo, Derek Kiong and Swarnalatha Ashok. Springer. 2008.
- **Effective Java.** Joshua Bloch. Addison-Wesley, 2008
- **UML 2 Toolkit.** Hans-Erik Eriksson and Magnus Penker. Wiley Publishing Inc. URL: [http://www.ges.dc.ufscar.br/posgraduacao/UML\\_2\\_Tookit.pdf](http://www.ges.dc.ufscar.br/posgraduacao/UML_2_Tookit.pdf).

5

6

## Course Materials

- Lecture notes for students (pdf): Slides in 4-page handouts
- Assignments, Mini-Project descriptions
- Interaction channels:
  - Microsoft Teams: OOLT.VN.20231

6

7

## Naming convention for the repository

- Lab assignment (individual):
  - OOLT.VN.20231-StudentID.StudentName
  - Example:
    - OOLT.VN.20231-20213931.DangPhuKhang
    - OOLT.VN.20231-20213923.VuHoangLan
- Mini-Project
  - OOLT.VN.20231-GroupNo
  - Example
    - OOLT.VN.20231-05
    - OOLT.VN.20231-12

➔ Monitor?

7

8

## Introduce yourselves

- Full name
- Experience in Computer Science
  - Operating System
  - Programming Languages
  - (Mini-)Projects
  - ...
- Strength / Weakness
- A course you like best / hate
- Desire to study in this course



About Me

8