

# The Hong Kong University of Science and Technology

## UG Course Syllabus

[Course Title] Introduction to Computing with Java

[Course Code] COMP 1022P

[No. of Credits] 3

[Any pre-/co-requisites] NIL

**Name:** [Instructor(s) Name] Wilfred Ng

**Email:** [Your Email Address] wilfred@cse.ust.hk

### Course Description

[Briefly describe the course content, key topics or themes, objectives, methods of instruction, e.g., lectures, discussions, projects].

This course is designed to equip students with the fundamental concepts of programming elements and data abstraction using Java. Students will learn how to write procedural programs using variables, arrays, control statements, loops, recursion, data abstraction and objects using an integrated development environment.

### Assessments:

[List specific assessed tasks, exams, quizzes, their weightage]

Assessment Task	Contribution to Overall Course grade (%)
Laboratories	10%
Mid-Term	25%
Written Assignment	5%
Programming Assignment	20%
Final examination	40%

### Required Texts and Materials

[List required textbooks, readings, and any other materials]

Introduction to Programming with Greenfoot. Object-Oriented Programming in Java with Games and Simulations (4<sup>th</sup> Edition), by Michael Kolling, Pearson

Introduction to Java programming : comprehensive version (9th Editon), by Y. Daniel Liang, Pearson

### [Optional] Additional Resources

[List any additional resources, such as online platforms, library resources, etc.]

<https://www.greenfoot.org/home>