

# UECS1044/UECS1144

## OBJECT-ORIENTED APPLICATION DEVELOPMENT

## FOUR Credit hours

24 hours lecture: (2 hours x 12 weeks)

- Lecture (Thursday 11am-1pm)

36 hours practical: (3 hours x 12 weeks) **Start from Week 3**

- P1 (Wednesday 9am – 12pm, KB604)
- P2 (Thursday 2.30pm-5.30pm, KB606)
- P3 (Friday 2.30pm-5.30pm, KB606)

## CREDIT & CONTACT HOUR

## Lecturer and Tutor

- ▶ Dr Too Chian Wen
- ▶ Email: [toocw@utar.edu.my](mailto:toocw@utar.edu.my)
- ▶ Room No: FE35 (Zone 1), Level 8
- ▶ Consultation hours
  - ❑ Tuesday 10am – 12pm
  - ❑ Tuesday 2.30pm – 4.30pm

## CONTACT

## Tutor

- ▶ Dr Sneha Kanchan
- ▶ Email: [sneha@utar.edu.my](mailto:sneha@utar.edu.my)
- ▶ Room No: ??? Level 8

CONTACT

- ▶ This course presents object-oriented programming concepts through the study of an object-oriented programming language.
- ▶ It starts with an introduction to terminology used in object-oriented programming.
- ▶ This is followed by a detailed presentation of the concepts and programming language features for encapsulation, information hiding, inheritance, and polymorphism.
- ▶ The application of these concepts in building applications with graphical user interfaces, event-driven programming and file processing are also presented.

## SYNOPSIS

After completing this unit, students will be able to:

1. Apply fundamental concepts of object-oriented.
2. Apply advanced concepts of inheritance and polymorphism.
3. Construct programs based on object-oriented concepts

## LEARNING OUTCOME

## Main Reference(s):

1. Liang, Y.D. (2020). Introduction to Java programming and Data Structures, comprehensive Version (12th Edition). Pearson.

## Additional References:

1. Deitel, P.J., & Deitel, H.M. (2018). Java How to Program (11th ed.). Pearson.
2. Gaddis, T. (2019) Starting out with Java from Control Structures through Objects (7th ed.). Pearson.
3. Farrell, J., 2016. *Java programming*. 8th ed. Boston, MA: Course Technology / Cengage Learning.

# READING LIST

No	Assessment	Total
1	<p>Coursework</p> <p>a) Test (20%):  ➤ Wk8 (23 March 2023, 11am)</p> <p>b) Practical Assessment (10%):  ➤ Wk11 (15 April 2023, 10am)</p> <p>c) Group Assignment (20%) – (TBA)</p>	50%
2	Final Examination	50%
<b>TOTAL</b>		<b>100%</b>

## METHOD OF ASSESSMENT