

## COURSE INFORMATION

**Academic Session** : 2025/02  
**Course Code** : G0135 Probability and Statistics in Real Life  
**Credit Value** : 3  
**Lecturer** : Koh Siew Khew (siewkhew.koh@xmu.edu.my)

### Learning Outcomes

- Apply the concepts and theories in probability and statistics.
- Identify the right tools to explore a given data set.

### Suggested references

- A. Agresti, C. Franklin, B. Klingenberg (2018). Statistics: The Art and Science of Learning from Data (4th Edition). Pearson.
- A. Reinhart (2015). Statistics Done Wrong. No Starch Press.

### Course Content

Unit 1	Introduction
Unit 2	Exploring Data with Graphs and Numerical Summaries
Unit 3	Association: Contingency, Correlation, and Regression
Unit 4	Gathering Data
Unit 5	Probability
Unit 6	Probability Distributions
Unit 7	Sampling Distributions

### Assessments

Coursework	60%	2 Quizzes & 1 Assignment
Final Examination	40%	To be announced

## **Tentative Assessment Plan**

*Class pace and assessments times are subject to change depending on situation*

<b>Quiz</b>	<b>Week</b>
Quiz 1	20 Feb 2025
Quiz 2	27 Feb 2025
Assignment	Due on March