

Course Code : WUC 116/05
Course Title : University Mathematics for General Studies
Advisory Prerequisite(s) : Nil
Level : Lower
Credit hours : 5
Duration of course : 1

Course Coordinator

Mr. Tan Pooi Soo

M. Sc (IT), B. Sc with Education (Chemistry and Mathematics) (Hons) (USM)

The aim of this course is to introduce Mathematics in various ways so students will appreciate Mathematics and its usage in daily life. This course covers the history of Mathematics in East and West, the application of set theory in daily life, the important of statistics in life, the existence of Mathematics properties in nature and human and the recreational Mathematics.

Learning Outcomes

After successfully completing this course, students should be able to:

- identify the contribution of early civilisation to modern mathematics.
- identify the Fibonacci sequence and geometry existence in nature.
- visualize data in histograms, bar chart and pie chart form.
- identify common criteria in objects to classify them in groups and manipulate the groups.
- create and solve mathematic game, puzzle and poems.

Topics

- Set Theory
- Statistics in Daily Life
- Recreational Mathematics
- Mathematics in Nature
- History of Mathematics

Main Reference

None