Module: Basic Mathematics
Overview: Test questions are based on basic mathematical concepts which includes operations of arithmetic, algebra, geometry, and trigonometry, matrices and all basic concepts in statistics. Formulas and graph paper will be provided during the exam. Non-graphical, non-programmable scientific calculators are required.
Faculty / Programme Group: ● Architecture and Landscape ● Real Estate ● Land and Quantity Surveying ● Urban and Regional Planning ● Geoinformation ● Industrial Design ● Management ● Accounting ● Human Resources ● Education (TESL)
Topics Covered: ● Percentage and Fraction ● Algebra and Polynomial ● Angles and Polygon ● Geometry Coordinates ● Systems of Linear Equation ● Quadratic Function & Equation ● Matrix Algebra ● Trigonometry ● Statistics

Module Test Contents:
 	
Format:
    ● Consists of two parts: (100 marks)
      Part A: Multiple Choice Questions (20 marks)
      Part B: Computational Questions (80 marks)
    ● Computational – All calculations must be shown clearly.
 	
Duration:
3 hours

References:

1. Abd. Wahid etal (2015), Engineering. Mathematics I, UTM (Textbook).
2. Glynn James, (2010). Modern Engineering Mathematics, PrenticeHall.
3. Glynn James, (2004). Advanced Modern Engineering Mathematics, Prentice Hall
4. Mendenhall, W. et. al (2002). A Brief Introduction to Probability and Statistics. 9th Edition. Duxbury Press: California. (QA273 M52 2002).