

Bridging Exemption Test
Module Outline

Module: Mathematics	
Overview:	Test questions are based on basic mathematical concepts particularly on algebra, geometry and calculus. Formulas and graph paper will be provided during the exam. Non-graphical, non-programmable scientific calculators are required.
Faculty / Programme Group:	<ul style="list-style-type: none">• Civil• Electrical and Biomedical• Chemical and Energy• Mechanical• Science• Software Engineering• Network and Security• Graphic and Multimedia Software• Artificial Intelligence
Topics Covered:	<ul style="list-style-type: none">• Algebra and Polynomial• Differentiation• Integration• Vectors• Matrix algebra• Functions, Curves and Polar coordinate• Complex numbers
Module Test Contents:	<p><i>Format:</i></p> <ul style="list-style-type: none">• Subjective Questions (100 marks).• Computational – All calculations must be shown clearly. <p><i>Duration:</i> 3 hours</p>
References:	<ol style="list-style-type: none">1. John Bird (2006), Higher Engineering Mathematics, Elsevier.2. Glynn James, (2010). Modern Engineering Mathematics, PrenticeHall.3. Abd. Wahid etal (2015), Engineering. Mathematics I, UTM (Textbook).4. Link: https://math.libretexts.org/Bookshelves