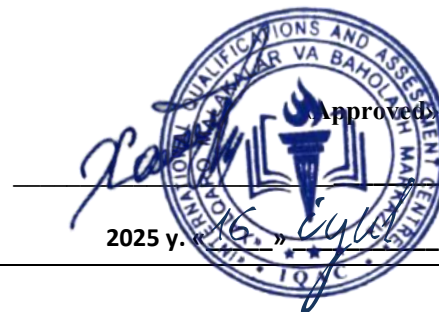




**INTERNATIONAL QUALIFICATIONS  
AND ASSESSMENT CENTRE (IQAC)**



<b>Programme</b>	<b>Foundation Year Diploma in Architecture</b>	
<b>Unit Number/ Unit Title</b>	<b>Unit 2 Mathematics for architecture</b>	
<b>Cohort Code:</b>	L03MFA-U2	
<b>Unit Level</b>	3	
<b>Total Credits/Hours</b>	Total qualification time 200/ Total Guided learning hours 90/ Self-guided learning hours 110	
<b>Credits</b>	20 CATS/ 10 ECTS	
<b>Lecturer</b>		
<b>Start Date</b>		<b>End Date</b>

<b>Unit Aims</b>	To develop students' mathematical skills and understanding essential for architectural studies. This module focuses on geometry, trigonometry, algebra, and basic calculus applications relevant to architectural design and construction.	
<b>Differentiation Strategies</b> <i>(e.g. planned activities or support for individual learners according to their needs)</i>	<p>Various approaches to addressing the various identified students' needs will be adopted throughout the lesson. Such will include:</p> <ol style="list-style-type: none"> <li>1. Progressive tasks</li> <li>2. Digital resources</li> <li>3. Verbal support</li> <li>4. Variable outcomes</li> <li>5. Collaborative learning</li> <li>6. Ongoing assessment</li> <li>7. Flexible-pace learning</li> </ol>	
<b>Equality &amp; Diversity</b>	Variety of teaching techniques will be employed to ensure that the needs of each individual learner are met.	
<b>Safeguarding &amp; Prevent</b>	Safeguarding policies and the Prevent duty are strictly observed to ensure the safety, well-being, and inclusivity of all students and staff.	

<b>Health &amp; Safety</b>	SIRM H&S policies will be maintained.
<b>Learning Resources</b>	<b>Teaching and Learning Materials</b>
	<ul style="list-style-type: none"> <li>• "Mathematics for Architects and Designers" by Frank Swetz.</li> <li>• "Architectural Geometry" by Helmut Pottmann, Andreas Asperl, Michael Hofer, and Axel Kilian.</li> <li>• "Engineering Mathematics" by K.A. Stroud and Dexter J. Booth.</li> <li>• "Geometry of Design: Studies in Proportion and Composition" by Kimberly Elam</li> </ul>