



UNIVERSITI TEKNOLOGI MARA

MAE416: TEACHING OF MATHEMATICS FOR PRIMARY SCHOOL

Course Name (English)	TEACHING OF MATHEMATICS FOR PRIMARY SCHOOL APPROVED
Course Code	MAE416
MQF Credit	3
Course Description	The purpose of this course is to understand different approaches to theorizing and studying primary school mathematics learning and epistemology as represented by its developments in content knowledge and pedagogical content knowledge. It is designed to blend instructional techniques and mathematical concepts related to the teaching of mathematics. The course will consider theories of learning math, the nature of math, mathematical thought processes, current views on the learning and teaching of mathematics and various appropriate instructional strategies towards the goal of understanding and advancing students' learning in the teaching and learning of primary mathematics.
Transferable Skills	<ul style="list-style-type: none">- Demonstrate professional skills, knowledge and competencies.-Demonstrate ability to work professionally and contribute positively in a team-Demonstrate ability to apply creative, imaginative and innovative thinking and ideas to problem solving.-Demonstrate the ability to dream, imagine and visualize
Teaching Methodologies	Lectures, Blended Learning, Discussion, Presentation
CLO	<p>CLO1 Students should be able to acquire theoretical and practical knowledge in primary education.</p> <p>CLO2 Students should be able to apply pedagogical knowledge in primary school teaching and learning</p> <p>CLO3 Students should be able to analyze issues related to the scholarly method of teaching and learning in primary school education</p>
Pre-Requisite Courses	No course recommendations
Topics	
1. Development of Mathematics Education Curriculum in Malaysia 1.1) n/a	
2. The Pedagogy of Mathematics 2.1) n/a	
3. Bridging the Gap in the Learning of Mathematics 3.1) n/a	
4. Test 1 4.1) n/a	
5. Test 2 5.1) n/a	

Assessment Breakdown	%
Continuous Assessment	70.00%
Final Assessment	30.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Discussion	i discuss	10%	CLO1 , CLO2 , CLO3
	Group Project	n/a	30%	CLO1 , CLO2
	Test	Test 1	15%	CLO1 , CLO2
	Test	Test 2	15%	CLO1 , CLO2

Reading List	This Course does not have any book resources
Article/Paper List	This Course does not have any article/paper resources
Other References	<ul style="list-style-type: none"> • n/a Lee Peng Yee & Lee Ngan Hoe 2009, <i>Teaching Primary School Mathematics A Resource Book (2nd ed.)</i> , McGraw Hill, Singapore • n/a Haylock D and Cockburn A 2009, <i>Understanding Mathematics for Young Children</i> , Sage Publication • n/a Haylock, D. & Cockburn, A. 1989, <i>Understanding early years mathematics</i>, Paul Chapman., London • n/a Sobel, M. A. & maletsky, E. M. 1999, <i>Teaching mathematics: A sourcebook of aids, activities and strategies</i> , Allyn and Bacon, Boston