

## The Teaching of Mathematics

Year	Course Code	Title	Course Category	No of AUs	Pre-requisites
1	DCM100	Teaching and Learning of Primary Mathematics I	Core	3	-
2	DCM200	Teaching and Learning of Primary Mathematics II	Core	3	-
	DCM201	Teaching and Learning of Primary Mathematics III	Core	2	-

### DCM100 Teaching and Learning of Primary Mathematics I

Overview of the Singapore Primary Mathematics Curriculum; NE infusion; Preparation of Scheme of Work and Lesson Plans; Pedagogical Strategies and Psychological Theories; Teaching of Whole Numbers, Fractions, Decimals, Percentage, Ratio, Rate and Speed. [Discussion of the use of ICT and common pupil errors will be included in the teaching of the various topics.]

### DCM200 Teaching and Learning of Primary Mathematics II

Teaching Problem Solving and Investigations. Mathematical Reasoning, Communication and Connections. Mathematical Modelling. Teaching of Geometry, Measurement, Data Analysis, and Algebra. [Discussion of the use of ICT and common pupil errors will be included in the teaching of the various topics.]

## **DCM201 Teaching and Learning of Primary Mathematics III**

This course covers two broad areas: (a) Various traditional assessment modes in Mathematics and the use of these modes in schools to assess pupil performance, in particular, the planning and construction of test items and (b) Practice of teaching skills, including catering for pupils of mixed abilities.

