

The Teaching of Mathematics (Primary)

Course Code	Title	Course Category	No of AUs	Pre-requisite
ACM201	The Teaching and Learning of Primary Mathematics I	Core	3	-
ACM301	The Teaching and Learning of Primary Mathematics II	Core	3	-
ACM401	The Teaching and Learning of Primary Mathematics III	Core	2	-
ACM402	The Teaching and Learning of Primary Mathematics IV ^	Core	2	-

^ For student teachers opting for Primary (Option A)

ACM201 The 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, Percentages, Ratio and Direct Proportion, Rate and Speed. [ICT and common pupils' errors will be dealt with in the teaching of various topics.]

ACM301 The Teaching and Learning of Primary Mathematics II

Teaching Problem Solving and Investigations; Mathematical Communication; Teaching of Geometry, Money and Measures, Mensuration, Graphical Representation and Statistics, Algebra. [ICT and common pupils' errors will be dealt with in the teaching of various topics.]

ACM401 The 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.

ACM402 The Teaching and Learning of Primary Mathematics IV

This course provides further pedagogical skills for those who will go deeper into teaching mathematics, especially at upper primary levels. Topics include: Games in Mathematics; Advanced use of ICT in mathematics teaching; Challenging Problems in Upper Primary Mathematics. Student teachers will also undertake Independent Study Topics which will enhance their teaching repertoire.