

The Teaching of Mathematics (Primary)

Table 1: CS1 Mathematics Structure for BA/BSc (Ed) (Primary 2 CS Track)

Year	Course Code	Title	Course Category	No. of AUs	Pre-requisites
2	ACM20A	The Teaching and Learning of Primary Mathematics I	Core	3	-
3	ACM30A	The Teaching and Learning of Primary Mathematics II	Core	3	-
4	ACM40A	The Teaching and Learning of Primary Mathematics III	Core	3	-
	ACM40B ⁺	Assessment Literacy For The Primary Mathematics Classrooms	Core	3	-

⁺ Offered to CS1 Math student teachers.
CS2 Math student teachers may approach the course coordinator if they wish to sit in for the course.

Table 2: CS2 Mathematics Structure for BA/BSc (Ed) (Primary 2 CS Track)

Year	Course Code	Title	Course Category	No. of AUs	Pre-requisites
2	ACM20A	The Teaching and Learning of Primary Mathematics I	Core	3	-
3	ACM30A	The Teaching and Learning of Primary Mathematics II	Core	3	-
4	ACM40A	The Teaching and Learning of Primary Mathematics III	Core	3	-

ACM20A The Teaching and Learning of Primary Mathematics I

This first course in The Teaching and Learning Primary Mathematics series aims to introduce student teachers to (i) the Singapore Primary Mathematics Curriculum, (ii)

preparation of lesson plans (iii) pedagogical strategies and psychological theories and (iv) the teaching of topics: whole numbers, fractions, decimals, percentages, ratio and direct proportion, rate and algebra. This course will provide a good foundation for the rest of the Teaching and Learning of Primary Mathematics series.

ACM30A The Teaching and Learning of Primary Mathematics II

This second course in The Teaching and Learning Primary Mathematics series aims to introduce student teachers to (i) the teaching of topics such as Measurement, Geometry, and Statistics (ii) microteaching involving student teachers showcasing their teaching approaches for the topics covered in this course (iii) pedagogical strategies and psychological theories.

ACM40A The Teaching and Learning of Primary Mathematics III

This course aims to (1) further strengthen the theory-practice nexus by providing opportunities for pre-service teachers to apply pedagogical principles and theories to inform their planning of a lesson involving mathematical problem solving that promotes higher order thinking, and (2) provide student teachers with an overview of assessment literacy for primary mathematics classrooms: assessment of learning with an emphasis on various traditional assessment modes in Mathematics

and the use of these modes in schools to assess pupils' performance.

ACM40B Assessment Literacy For The Primary Mathematics Classrooms

This course aims to extend the repertoire of student teachers in assessment literacy within the primary mathematics curriculum in the following ways: (i) an understanding of MOE's philosophical stance and goals of assessment, (ii) an understanding of key perspectives on assessment and their associated terms, (iii) an appreciation of the role of assessment as part of teaching and learning and (iv) familiarisation of various assessment strategies in line with different perspectives on assessment. This course will provide an overview of the assessment climate in Singapore primary schools.