

Victoria University of Bangladesh

Department of Education

B.Ed. (Hons.), Fall Semester 2016

Course Profile

Course Title: PES 1512 Teaching Elementary Mathematics in Primary School

Course Teacher: Muhammad Sohrab Husain

N.B.: Thanks to the Bachelor of Education (Hons.) Curriculum of Institute of Education and Research (IER), University of Dhaka, this course profile has been made.

❖ Lecture Outline:

Lecture No.	Topics to be covered
	Unit One: Importance & objectives of teaching Mathematics in the primary school
01	Importance of Mathematics in everyday life, objectives of teaching Mathematics in the primary school
02	Contents of Mathematics in the primary school curriculum
	Unit Two: Methods and techniques of teaching Mathematics
03	The different stages of cognitive development of children and their implication in teaching abstract ideas like numbers
04	Various ways of teaching Mathematics in the primary school
05	Teaching aids for Mathematics
	Unit Three: Methods and techniques of teaching numbers and four fundamental rules of Mathematics
06	Number, Roman number, sets
07	Addition, subtraction, multiplication and division of whole numbers
08	Demonstration by teacher
	Unit Four: Methods and techniques of teaching of fractions
09	Concept of fractions, addition, subtraction, multiplication and division of fraction
10	Demonstration by teacher
11	Review of the previous lectures before the mid term examination

12	Review of the previous lectures before the mid term examination
	<i>Mid Term Examination</i>
	Unit Five: Methods and techniques of teaching of decimal fractions
14	Concept of decimal fractions, addition, subtraction, multiplication and division of decimal fraction
15	Demonstration by teacher
	Unit Six: Methods and techniques of teaching of measurement
16	Concept of measurement, linear measurement
17	Measurement of weight(dry and liquid), measurement of land/surface
18	Demostration by teacher
	Unit Seven: Evaluation of pupil progress in Mathematics
19	Types of tests used for evaluating pupil's achievement in Mathematics
20	Preparation of various tests
21	<u>presentation</u>
22	<u>presentation</u>
23	Review of the previous lectures before final exam
24	Review of the previous lectures before final exam

❖ **Assignments:**

Title	Marks
Each student shall prepare a test for evaluating pupil's achievement in Mathematics and submit one teaching aid for Mathematics.	15

❖ **Presentation:**

2-3 students will make a group and present on teaching number, fractions, decimal fractions and measurement.”

Marks: 10

❖ **Mid-term test:**

At the end of 12 (twelve) lectures the mid-term test will be held. It consists of 10 multiple choice questions (Marks 10, 01 for each question) and some descriptive questions (Marks 15) based on the previous class lectures. It's time duration will be 01(One) hour.

Total Marks: 10 (MCQ) + 15 (Descriptive) = 25

❖ **Class attendance:**

10 marks are allocated for 100 percent attendance. Marks will be deducted proportionally as per student's attendance. **No students can sit in the final examination if his/her attendance is less than 60 percent.**

❖ **Final Examination:**

At the end of the course a final exam of 40 marks will be held. It's time duration will be Two hours. It consists of 10 (ten) MCQ questions (01 mark for each question) and 06(six) descriptive questions (06 marks for each question). Students will be asked to answer any 05(five) questions out of those 06(six) descriptive questions.

❖ **Grading:**

The Grading System of the university will be followed.

❖ **References:**

1. Begum, Kamrunnesa, *Prathomic Bidyalaya Ganit Sikhadan*, Dhaka, Bangla Academy.
2. *Primary school Mathematics textbooks, class I-V*, NCTB.
3. *Teacher's guide for teaching Mathematics in the primary school*. NCTB.