

Victoria University of Bangladesh

Department of Education

B.Ed. (Hons), Summer Semester 2016

Course Profile

Course No: PC 1640; Course Title: Evaluation and Measurement in Education

Course Teacher: Muhammad Sohrab Husain

❖ Lecture Outline:

Lecture No.	Topics to be covered
	Unit One: The Concept of Measurement and Evaluation
01	Test, Measurement and Evaluation – their meaning, difference between measurement and evaluation and various steps in evaluation.
02	Role of objectives in evaluation and writing behavioral objectives
03	Taxonomy of educational objectives
	Unit Two: Characteristics of Measurement Tools
04	Characteristics of a good test – validity, reliability, objectivity and standardization
05	Causes of low validity and reliability of a test, Types of validity: face, content, construct, predictive and concurrent validity.
06	Determining reliability of a test, test-retest, split-half test and rational equivalence
	Unit Three: Standardization of Tests
07	Standardized and teacher-made tests: concept, differences; stages of standardization
08	Operational definition and objectives of the new test; Preparation/selection of preliminary test items, try-out
09	Item analysis - difficulty index, discrimination index, internal consistency, finalizing test form, validity and reliability of items, fixing norm and developing scorig key
	Unit Four: Tools and Techniques of Evaluation Tests
10	Classification of Tests
11	Achievement tests and its classification – written test, oral test, practical tests
12	The essay test – advantages and disadvantages of essay test items,

	improvement of essay type questions
	Mid Term Examination
14	The objective test items – classification, advantages and disadvantage, guidelines for constructing better objective test items
15	Development of tests – objective, restricted essay and extended essay
16	Development of test(exercise) – objective, restricted essay and extended essay
	Unit Five: Use of Descriptive Statistics and their Interpretation
17	Meanings of statistics, scales of measurement: normal, ordinal, interval and ratio.
18	Presentation of data/score: the frequency distribution; graphic representation: histogram, frequency polygon, frequency curve, bar diagram
19	Measures of central tendency
20	Measures of dispersion
21	Measures of relationship, The normal probability curve – skewness and kurtosis
	Unit Six: Standardisation of Scores and Interpretation
22	Rank order of scores, percentiles and percentile ranks
23	Standard scores: Z – score, T - score
24	Review of previous lectures

❖ **Assignments:**

Title	Marks
Preparation of an objective test consisting 20 MCQ items on any school subject.	10

❖ **Mid-term test:**

At the end of 12 (twelve) lectures the mid-term test will be held. It consists of 15 multiple choice questions (Marks 15, 01 for each question) and some descriptive questions (Marks 25) based on the previous class lectures. It's time duration will be 01(One) hour 30 minute.

Total Marks: 15 (MCQ) + 25 (Descriptive) = 40

❖ **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. H.F. Garret – *Statistics in Psychology and Education*.
2. Rambhai N. Patel – *Educational Evaluation: Theory & Practice*.
3. H.H. Remmers & others – *A Practical Introduction to Measurement and Evaluation*.
4. Bloom et.al. - *Taxonomy of Educational Objectives*, Part I and II
5. Linn and Gronlund – *Measurement and Assessment in Teaching*, Pearson Education Inc. 2005.