B.Ed(4 Years) Elementary Education

Code	Subject Title	Cr. Hrs	Semester
ED- 322	Instructional Technology	3	5
Year	Discipline		
3	Elementary Education		

Aims

This course acts as a foundation for the following semesters. The course aims to help the students increase their proficiency in Instructional Technology by enhancing their knowledge in the subject.

Objectives

Upon the successful completion of this course the students will be able to:

- Understand and explain the foundations of Technology
- Apply their knowledge in different situations
- Develop a sense of understanding the trends and issues of Technology

Syllabus

Chapter: 1. Introduction

1. Definition, meaning, nature and other terms.
2. Technology in Education.
3. A System Approach.
4. Development of the main Concern of Educational Technology.
   - The Elton Model
   - The Mass Communication Phase
   - The Individual Learning Phase
   - The Group Learning Phase

Chapter: 2: Communication and Interaction:

1. Theory of communication
2. Communication cycle
3. The role of teachers
   - As performers
   - As composers
   - As conductor
   - As critic
4. Role of learners
   - Receiver role
   - Detective role
   - Generator role
   - Facilitator role
5. Communication in class
6. Teacher's behaviour and classroom instruction
7. Interaction analysis
8. Flanders's system of interaction analysis
9. Micro teaching

Chapter: 3: Basic Educational Strategies

1. The teacher /institution centered approach
2. The Student Centered Approach
3. The Keller Planned Approach
4. Mix and match Approach

Chapter: 4: Educational Objectives

1. An Objective Based Approach to learning
2. Types of objectives
3. Bloom's Taxonomy of Educational Objectives

Chapter: 5: Determining Instruction Strategies and Selecting Instructional Media

1. The Nature of Instructional Media
2. Looking at Media
3. Operates of Media
4. The Manipulative Property
5. The Distributive Property
6. Types of Media
7. Selection of Media
8. Four Steps Process
9. The Our Technologies
10. Computers In Education
11. Educational Print Materials

Text Books/ Reference Material

- Wadsworth, B. J. (1984). *Piaget's Theory of Cognitive and Affective Development*: Longman.

- Washton, N. S. (1967). *Teaching science creatively in the secondary schools*: WB Saunders Co.

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