

Wollo University

Institute of Teachers' Education and Behavioural Sciences

Department of Educational Leadership and Management

Outline for the Course Instructional Technology / TECS3095 for 3rd Year EdPM Regular Students

Credit Hours= 2

1. Course Description

The course is designed to guide students with fundamental concepts of the nature of instructional materials, production and utilization of them, particularly from local resources. To this end concept of communication, nature and types of instructional materials, and their production and utilization aspects will be thoroughly discussed.

2. Learning Outcome

- ☐ Evaluate the instructional effectiveness of various instructional materials
- ☐ Facilitate the preparation and proper utilization of instructional materials in schools

3. Topics and Subtopics Text books

1 Communication

- ☐ Concepts of communication
 - ☐ Means of communication
 - ☐ Basic elements of communication
 - ☐ Communication models
 - ☐ Purpose of communication in the classroom
 - ☐ Preconditions of communication
 - ☐ Levels of communication
- Educational communication

- ☐ Instructional applications of communication

2 Concepts, Purpose & Characteristics of instructional media

- ☐ Concepts of instructional media
- ☐ Purposes of instructional media
- ☐ Characteristics of instructional media
- ☐ Principles in the use of instructional media
- ☐ Problems in the use of instructional media
- ☐ Classification & types of instructional media

3 Chalkboard

- ☐ Main uses of the chalkboard
- ☐ Chalkboards of different color & color chalks
- ☐ Effective use of chalkboard
- ☐ Advantages of chalkboard
- ☐ Limitations of chalkboard
- ☐ Aids to effective chalkboard work

Display boards

- ☐ Bulletin board
- ☐ Flannel board
- ☐ Magnetic board

4 Graphs

- ☐ Characteristics of graphs
- ☐ Types of graphs
- ☐ Major principles of graphing

Charts

- ☐ Purposes of charts
- ☐ Types of charts

Three-dimensional media

- ☐ Models
- ☐ Mock-ups
- ☐ Real objects

Technological media in education

- ☐ Education Television
- ☐ Major educational values of TV
- ☐ Possible limitations of TV
- ☐ Individualized instructional media
- ☐ Computer assisted instruction
- ☐ Programmed instruction