

SHORTWOOD TEACHERS' COLLEGE EDUCATION DEPARTMENT

COURSE: T.I.E. 1 – Instructional Technologies, Media and Methods

CREDITS: 30 Hours (2 Credits)

DESCRIPTION:

This course provides introductory knowledge, skills and insights to trainee teachers on concepts, principles, procedures, and practices of technology in education; and exposes them to basic functions and creative uses of the modes and forms of instructional technologies to enhance instruction. The trainee-teacher will also get opportunities for evaluating, designing, developing, using samples of instructional media materials in preparation for practical uses of such materials with student-learners. The course also involves planning instructional activities supported by technology, and methods of technology integration in the curriculum.

STANDARDS:

This course is designed to prepare the trainee teacher to meet the following standards of performance:

- STD. 1.1: Demonstrate knowledge, skills, and attitudes for working with basic concepts related to modes & forms of instructional technologies that may be used in teaching/learning activities.
- STD. 1.2: Demonstrate understanding of current instructional principles & practices related to the use of technologies in planning, delivery and assessment of school curriculum.
- STD. 1.3: Demonstrate appropriate knowledge, skills, and attitudes in evaluating, and selecting various technologies for use in activities of general education and classroom instruction.
- STD. 1.4: Demonstrate ability to construct simple but creative and appropriate instructional media for classroom use.
- STD. 1.5: Demonstrate ability to plan student-learning activities that encourage creative uses of modern technologies; and foster collaborative, equitable, ethical & legal uses of technology by students.
- STD. 1.6: Demonstrate the ability to integrate technology, media & methods into specific subject areas of a school curriculum; and effectively manage the related learning conditions.

OBJECTIVES:

- 1A: Define, describe, and use terms related to technology in education such as: Media, Instructional Technology; Instructional Design; Technology Integration; Instructional Approaches; Interactive and Collaborative Learning.
- 1B: Examine, describe, and illustrate procedures & processes in the selection, evaluation and integration of technologies in teaching, learning and assessment activities.
- 1C: Describe, create and use examples of modes & categories of instructional media such as print, graphic, display, audio/visual, three-dimensional objects, models, etc.
- 1D: Describe and use techniques/methods & strategies of instructional approaches such as: Demonstration, Discovery, Instructional Games & Simulations, Problem Solving etc.
- 1E: Design instructional plans and activities that utilize a variety of instructional media to enhance delivery of instruction, and demonstrate ability to manage such instruction.

STRUCTURE & METHOD:

Objective	Content Specification	Examples of Activities
1A: Definition & Use of terms/concepts related to T.I.E.	Terms/concepts such as instructional media; instructional technology; instructional design; interactive learning; instructional computing. etc.	Use reference materials research activities; and internet resources.
1B: Describe & illustrate procedures for tech selection & evaluation	<ul style="list-style-type: none"> • Selection criteria for instructional media/software. • Procedures for selection & evaluation of media. • Practical applications of media in instruction. 	Provide draft of selection criteria and involve users in discussions & applications.
1C: Describe, create, use categories of media e.g. print, Audio/Visual	<ul style="list-style-type: none"> • Types, categories and forms of instructional media. • Preparing instructional media of various forms. • Using print, visual, audio, displays, software, etc. 	Involve trainee-teachers in (hands-on) creations of the various types of media).

Objective	Content Specification	Examples of Activities
1D: Describe and use	<ul style="list-style-type: none"> • Methods of instructional presentation 	Conduct/guide demonstrations

methods & strategies of instructional approaches	<p>for teaching.</p> <ul style="list-style-type: none"> • Uses of demonstrations, simulations, and games. • Discovery learning, tutorials, & problem solving. 	of teaching; and uses of instructional approaches.
1E: Design instructional plans/activities and manage instruction	<ul style="list-style-type: none"> • Introduction of events of instruction and planning. • Framework, tools, resources and sample plans. • Essentials of instructional management strategies. 	Use reference materials; research, planning activities; and Internet resources.

ASSIGNMENTS:

1. Case Study - 30%
2. Micro-Teaching - 40%
3. Test - 30%