MS Instructional Technology & PB Certificate Instructional Technology

Student Learning Outcomes

Graduates of the MS Instructional Technology or PB Certificate Instructional Technology program will be expected to have demonstrated knowledge and proficiency in the following areas:

**SLO1: Instructional Design** – Candidates will:

- Conduct performance analysis and determine the appropriateness of instructional solutions for the problem.
- Plan and conduct needs assessment.
- Assess learner/trainee characteristics.
- Analyze the characteristics of a setting (learning environment).
- Conduct analysis of jobs/tasks and content.
- Sequence learner outcome.
- Specify instructional strategies and sequence the instructional strategies.
- Determine instructional resources (media/computer technology) appropriate to instructional activities.
- Select appropriate applied information technologies to achieve instructional objectives.

**SLO2: Instructional Development**—Candidates will:

- Develop projected and non-projected graphic instructional materials.
- Demonstrate ability to produce audio scripts and audiotapes.
➢ Demonstrate the ability to produce still and motion photographic instructional materials, including knowledge and competencies in: film characteristics, camera operation, exposure, darkroom processes, lighting and color photography.

➢ Demonstrate knowledge of the principles of perception and visual learning applicable to the design and production of photographic instructional materials.

➢ Demonstrate knowledge of computer utilization practices and the ability to apply them in instructional settings including: computer literacy, software selection and evaluation, instructional management, hypermedia development and distance learning.

➢ Design and produce computer-based instruction including drill-and-practice and tutorial programs.

➢ Design and produce interactive multimedia systems.

➢ Develop curriculum and apply instructional technology to the curriculum at the systems level, the macro level and the micro level.

➢ Demonstrate knowledge and ability to design and produce self-instructional modules, training manuals, instructor's guides and job aids.

➢ Design and produce mediated instruction.

SLO3: Utilization – Candidates will:

➢ Apply principles of selection and use of materials and techniques relevant to a multicultural society (e.g., non-print, print, mass media, hardware, software, and other audiovisual strategies.

➢ Apply leadership techniques with individuals and groups (interpersonal skills, group dynamics, team building and diffusion of innovations).

➢ Promote the diffusion and adoption of the instructional development process.

➢ Demonstrate a knowledge of the laws and regulations which govern the selection and utilization of media/emerging technology, including copyright, censorship, State Board Regulations, Local Board Policies, etc.

SLO4: Management – Candidates will:

➢ Plan, create, monitor, and facilitate instructional design projects.

➢ Organize the instructional project or service unit to operate effectively and efficiently.

➢ Manage personnel and facilities.

➢ Plan and implement organizational change.

➢ Design instructional management systems.
SLO5: Evaluation – Candidates will:

- Plan and conduct needs assessment.
- Plan and conduct evaluation of instruction/training.
- Plan and conduct summative evaluation of instruction/training.