

PSY- 416: Educational Technology (3CHs)

Pre-requisite: None

Course Description:

This course focuses on the conceptual framework of technology, theories, and practices in educational environments. Students are provided the opportunity to investigate educational technology, analyze theories related to instructional design, and apply twenty-first century skills to teaching with technology.

Course Objectives:

The course will facilitate students to:

- Understand the underlying principles of educational technology and integration of technology into learning and instruction.
- Analyze the theories of human development and their relationship with learning theories.
- Describe the relationship between instructional theories and instructional design theories; integrate the practical applications of teaching with technology into twenty-first century skills.
- Interpret design principles and relate them to technology-facilitated learning.
- Explain how technology can be included in the educational setting and adapted to various contexts.

Course Learning Outcomes:

Students will be able to:

- Apply principles of educational technology and integrate technology into teaching learning practices.
- Integrate knowledge of human development with instructional design theories and translate this integration for solution of problems demanding technological led instructional practices.
- Apply emerging trends in technological innovation into the educational setting.

Course Contents:

- Understanding Educational Technology

- The Effective Integration of Technology in Educational Activities
- Human Development and its Relationship to Learning
- How Design Theory is Applied to Educational Technology
- Linking Technology With 21st Century Skills
- Future Trends and Ethical Concerns in Educational Technology

Textbook:

- Spector, J. Michael. (2012). *Foundations of Educational Technology: Integrative Approaches and Interdisciplinary Perspectives*. New York: Routledge.

Reference Books:

- Keengwe, J. (2015). Handbook of Research on Educational Technology Integration and Active Learning. Hershey PA: IGI Global.
- Pacansky-Brock., M. (2017). Best Practices for Teaching with Emerging Technologies. New york: NY, Routledge.