

University of Arkansas – Fort Smith
5210 Grand Avenue
P. O. Box 3649
Fort Smith, AR 72913–3649
479–788–7000
General Syllabus

ELML 2013 Educational Technology and Digital Literacy

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisites/corequisite: NA

Effective Catalog: 2024-2025

I. Course Information

A. Catalog Description

- II.** Introduction to skills and applications needed to integrate technology into instruction. Designed for students interested in early childhood education, elementary education, or middle level education. Elementary and middle level majors are required to purchase a subscription to LiveText.

A. Additional Information – None

III. Student Learning Outcomes

A. Subject Matter

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

1. Facilitate experiences that advance student learning, creativity, and innovation in both face-to-face and virtual environments using knowledge of subject matter, teaching and learning, and technology.
2. Use technology to differentiate and integrate curriculum, instruction, and assessment to meet the needs of diverse learners.
3. Conduct research and theory related to technology integration.
4. Design, develop, and evaluate authentic learning experiences and assessment incorporating contemporary tools and resources to maximize content learning in context and to develop knowledge, skills, and dispositions.
5. Exhibit knowledge, skills, and work processes representative of an innovative professional in a global and digital society.
6. Identify local and global societal issues and responsibilities in an evolving digital culture.
7. Exhibit legal and ethical behavior in their professional practices.
8. Continuously improve professional practice, model lifelong learning, and exhibit leadership in schools and professional communities by promoting and demonstrating the effective use of digital tools and resources.
9. Recognize and plan for the use of technology by socio-economically and

culturally diverse groups.

10. Develop procedures and processes for managing technology-rich learning environments.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Ethical Decision Making

Students will recognize and analyze ethical dilemmas, based on the ADE Code of Ethics. Students will apply ethical concepts and rules to determine viable alternatives in any given situation.

Global and Cultural Perspectives

Students will reflect upon cultural differences and demonstrate understanding or application of K6 education in a global environment. Students will reflect upon cultural and learning differences including socioeconomic, language, cultural, and special needs as well as neglected or abused children. Students will identify appropriate interventions to enhance learning in diverse environments.

Communication Skills (written and oral)

Students will communicate effectively, both in writing and orally, in a variety of settings. Students will compose coherent documents, article reviews, research and essay papers, and reflections of observations. Students will give class presentations, share student work products orally, and work with children and families as part of practicum and internship experiences.

Analytical Skills

Critical Thinking Skills

Students will draw conclusions and/or solve problems related to student assessment data or issues. Students will access and evaluate appropriate written and electronic information for solving educational problems, conducting educational research, or working with students. Students will reach viable solutions to a problem and be able to justify those solutions.

IV. Major Course Topics

- A. Research and theories related to educational technology
- B. Electronic portfolios
- C. Electronic communication and management tools
- D. Videos as teaching and learning media
- E. Laws and responsibilities affecting educators
- F. Web-based teacher support materials
- G. Management of technologically-rich learning environments
- H. Technology as an assessment tool
- I. Educator and student access to technology tools
- J. Assistive technologies
- K. Emerging technology and professional development

L. Addressing diversity:

1. Designs and creates self-paced learning modules
2. Reviews modification principles for integrating technology
3. Reviews equity issues regarding technology and group projects
4. Reviews methods for designing electronic lesson plans that can be converted to non-native English speaking students