

Syllabus
EDUC 2590
Instructional Technology
2025

Committee Members:

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The Institution agrees to the contents in this syllabus including course prefix, number, course description and other contents of this syllabus.

 Chief Academic Officer, Central Community College	02/21/2025	Adopt
 Chief Academic Officer, Little Priest Tribal College	02/19/2025	Adopt
 Chief Academic Officer, Metropolitan Community College	02/20/2025	Adopt
 Chief Academic Officer, Mid-Plains Community College	02/12/2025	Adopt
 Chief Academic Officer, Nebraska Indian Community College	02/19/2025	Adopt
 Chief Academic Officer, Northeast Community College	02/12/2025	Adopt
 Chief Academic Officer, Southeast Community College	02/19/2025	Adopt
 Chief Academic Officer, Western Nebraska Community College	02/12/2025	Adopt

I. CATALOG DESCRIPTION

EDUC 2590

Instructional Technology

Pre-Requisites/Co-Requisites: EDUC 1110

Credit Hours: 3

Contact Hours: 45

Course Description: This course will focus on understanding and harnessing the power of digital media for teaching and learning. This includes selecting content, implementing instructional strategies, and using technology in innovative ways to supplement, enhance, and extend the curriculum. Social, ethical, legal, and human issues surrounding the use of technology will also be applied in educational practice.

II. COURSE OBJECTIVES/COMPETENCIES

Course will:

1. Instructors will introduce students to the various roles that technology can play in the teaching and learning process.
2. Instructors will demonstrate a variety of instructional technologies for effective learning.
3. Instructors will demonstrate how to utilize digital literacy skills to discern credible information
4. Instructors will introduce Universal Design for Learning (UDL) guidelines and other accessibility considerations that can reach a diverse range of learners.
5. Instructors will demonstrate the process of evaluating resources for current and developing educational technologies.
6. Instructors will expose students to a variety of technologies and provide methodologies for designing learning experiences.
7. Instructors will promote and model ethical consideration and responsible leveraging of digital resources (i.e. digital citizenship, artificial intelligence, copyright laws)

III. STUDENT LEARNING OUTCOMES

Students will be able to:

1. Students will explain the dynamic relationship between technology and the learning process of students at various age levels and different content areas.
2. Students will implement appropriate instructional technologies for effective learning.
3. Students will apply digital literacy skills to discern credible information.
4. Students will determine how Universal Design for Learning (UDL) guidelines and other accessibility considerations can reach a diverse range of learners.
5. Students will evaluate resources for current and developing educational technologies (i.e. artificial intelligence)
6. Students will design learning experiences that integrate innovative technologies.
7. Students will apply ethical consideration and responsible leveraging of digital resources (i.e. digital citizenship, artificial intelligence, copyright laws)

IV. COURSE CONTENT/TOPICAL OUTLINE

(Sequence may vary)

1. Frameworks of instructional technology (i.e. TPACK, Triple E Framework, ISTE Standards)
2. Effective instructional strategies using technology (i.e. video, infographics, multimedia, etc.)
3. Digital literacy skills
4. Using technology to meet Universal Design for Learning (UDL) guidelines and meet the needs of diverse learners
5. Evaluating educational resources for quality and functionality
6. Planning technology-rich educational experiences
7. Ethical use of digital resources, including social media in the educational setting
8. Artificial Intelligence and emerging trends in education

V. INSTRUCTIONAL MATERIALS

Given the ever-changing developments of technology, materials for this course may change frequently. Instructors may choose texts, Open Educational Resources, and other digital materials that meet the listed course objectives/competencies and student outcomes.

VI. METHODS OF PRESENTATION

Methods of presentation may include a combination of the following:

1. Technology-enhanced lecture
2. Classroom discussions
3. Interactive group activities
4. Digital experiences
5. Another form of presentation the instructor deems effective to meet course Objectives.

VII. METHODS OF EVALUATION

Methods of evaluation, although determined by the individual instructor, traditionally include a combination of the following:

1. Attendance and participation
2. Daily assignments
3. Written exams and/or quizzes
4. Performance and observational assessment
5. Additional assessments that meet student learning outcomes

VIII. INSTITUTIONAL DEFINED SECTION

To be used at the discretion of each community college as deemed necessary.