Unit Theme: Educator as creator of effective educational environments, integrating diverse students, strategies, societies, subjects, and technologies.

Catalog Course Description—EDU 2022: This course, based on the national and state educational technology standards is designed to prepare teachers to integrate technology into the curriculum. This course will focus on the effective use of technology in teaching and learning.

EDU 2022 is a professional education course not applicable for computer science or programming.

Course Prerequisite: Passing score on the CEPS technology proficiency.

Textbooks:


Supplemental Materials: LiveText Account

Course Purpose: EDU 2022 is structured to offer teacher candidates opportunities to:
1. Practice and expand personal use of various kinds of hardware and software.
2. Use technology in the design of curriculum for constructivist teaching and learning.
3. Apply learning theory to evaluate quality technology experiences.
4. Make informed judgments about social and ethical issues involving technology.
5. Develop strategies and commitment to explore new and emerging educational technologies.

Outcomes Specific to EDU 2022:
1. Review research studies of effects of the impact of technology on learning.
2. Describe the development of computer technology over the past four decades and implications of this history for instruction.
3. Evaluate ethical, legal and social equity issues pertaining to the impact of technology
4. Apply terminology of the field.
5. Use, explore, and apply telecommunications opportunities: html editors as appropriate for teaching professionals, course management systems, videoconferencing, webcasts
6. Use and apply word processing, database, presentation and spreadsheet programs
relating to teacher administration and the curriculum of elementary and middle schools.

7. Describe multimedia-learning options.
8. Review and apply criteria to evaluate and select educational software.
9. Practice strategies for continuous updating of computer literacy for teachers and students.
10. Design and produce appropriate technology supported instruction.
11. Practice ergonomics and proper care of computers, disks, and peripherals.
12. Design and maintain your own professionally appropriate website.

EDU 2022 course purposes and topics as well as the laboratory setting assume that students will make discoveries, **teach each other**, and share knowledge and skills to increase the quality and quantity of class learning, and to better meet the challenge of rapidly developing technology.

**Learning Model: Information Processing**
This model emphasizes ways of enhancing students’ initiatives and drive to make sense of the world by acquiring and organizing data, sensing problems and generating solutions to them, and developing concepts and language for conveying them. (Models of Teaching by B. Joyce, M. Weil, and B. Showers; 1992: Boston: Allyn and Bacon.)

**Course Assumptions for pre-service students of technology in support of K-8 curriculum are:**
1. Continuous upgrading and practice of personal skills with various computers available at EIU.
2. Continuous thinking of personal and professional applications for technology.
3. Timely completion of assignments.
4. Perfect attendance.
5. Significant communications with class members and professor electronically and in class discussion.
6. Diligent use of textbooks.
7. Knowledge and responsibility for the contents of the NCATE course syllabus.

Tutorials are provided by the instructor and the EIU Media Services.

**Nets Standards for Teachers/ISTE National Technology Project:**
http://enets.iste.org/index.html

** EDU 2022 is a class where you learn by doing. Completion of assignments does not guarantee an “A” in the course. There are some assignments in which you will not be able to make up if absent.**

**Web site for the textbook that we are using:**
http://www.scsite.com/tdc4/

**Web site for assistance with APA questions:**
http://www.bellevue.edu/resources/faq_apa.asp#28

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Dispositions: Teacher candidates in the Department of EC/ELE/MLE will exhibit professional ethical practices, effective communication, sensitivity to diversity, the ability to provide varied teaching practices evidenced in a supportive and encouraging environment.

NOTE: For those classes with Live Text or Practicum- If the portfolio or Live Text requirements are rated, by the instructor, to have been completed in less than a satisfactory manner then no more than a "D" may be earned in the class regardless of the number of points earned.

Students with disabilities are encouraged to contact the Eastern Illinois University Office of Disability Services for assistance. http://www.eiu.edu/~disablty/ 217-581-6583

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
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<td>Participation</td>
<td>10%</td>
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<td>Webpage Development</td>
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<td>Word project</td>
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<td>Database project</td>
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<td>Multimedia project</td>
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<tr>
<td>Inspiration/Kidspiration project</td>
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<td>Article review – current trends</td>
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<td>Smartboard project</td>
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<td>Evaluation of various technology sources – WebQuests, web sites, etc.</td>
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<td>Assistive technology project</td>
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<td>WebQuest</td>
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<td>Assessment project</td>
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Grade Range

A = 92%-100%  /  B = 84%-91%  /  C = 75%-83%  /  D = 65%-74%  
F = Below 65%
*The WebQuests and web sites are individual assignments. Students will work as partners to create various projects in each class meeting. These projects will be presented to the whole class as part of the evaluation. All projects will be saved on students' portable hard drives and attached to LiveText, including the WebQuests and web sites.*

**Tentative Calendar**

1/8: Introductions; overview of course; discussion about use of text web site; LiveText overview; web site intro; WebQuest discussion; discussion of state standards through WebQuest template in LiveText; registration for web site; begin website creation.

1/15: Word project

1/22: Excel

1/29: PowerPoint

2/5: Database project

2/12: Multimedia project

2/19: Legal, ethical issues project

2/26: no class

3/4: present article review; rubric project

3/18: Smartboard project; creating rubrics in LiveText

3/25: Web sites evaluation

4/1: Assistive/adaptive technology project

4/8: Inspiration/Kidspiration project

4/15: TBA

4/22: present WebQuests

4/29: final - 5:15 pm