Eastern Illinois University  
Department of Early Childhood, Elementary, and Middle Level Education  
EDU 2022  
Teaching and Learning with Technology in Classrooms

**Instructor**: Cindy Rich  
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Office Hours: Tuesday and Wednesday 10 – 12 or by appointment

**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 national and state educational technology standards is designed to prepare teachers to integrate technology into 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**: WebCT, 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

Grade Range
A=92%-100% / B=84%-91% / C=75%-83% / D=65%-74% F = Below 65%
** 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 assistance with APA questions:
http://www.bellevue.edu/resources/faq_apa.asp#28

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Students with Disabilities: If you have a documented disability and wish to discuss academic accommodations, please contact the Office of Disability Services at 581-6583.

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.

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.
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