

# EDC 220--Educational Technology

**.5 credits Fall 2009**

Meeting at Lincoln K-8 Choice School – 1122 8<sup>th</sup> Avenue Southeast – Rochester, Minnesota  
Monday 5:45 – 9:30 PM

**Instructor:** James J. Kulzer

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**Course web site:** <http://augnet.augsburg>.

**Augsburg College Education Department Mission Statement:** The Augsburg College Education Department commits itself to developing future educational leaders who foster student learning and well-being by being knowledgeable in their fields, being capable in pedagogy, being ethical in practice, nurturing self-worth, embracing diversity, thinking reflectively, and collaborating effectively.

**Course Objectives and Orientation :** This course will help you will reflect on the role various forms of electronic and digital technology can play in the teaching/learning process and how you can engage these processes in your classroom. You will become skilled in some of the many digital tools used in today's schools. In addition, you will be exposed to basic theories of communication, selection, evaluation and research, and will be assisted in determining appropriate applications of these theories and techniques in educational settings. Drill and practice outside of class time will be necessary to reach a high degree of competence.

**Issues Addressed in This Course :** How do we assist K-12 learners to become media literate? In what ways do learners profit from the use of electronic media? How can electronic media be used to enhance active learner-centered activity? How can I integrate media skills into my lessons? What is the Internet? What tools do I need to use the Internet? How will I use the Internet to assist my students?

**Knowledge of:**

- Communications theory
- History and impact of technology
- Selection and evaluation criteria
- Future trends in technology
- Ethical issues and standards

**Skills in:**

- producing instructional materials
- utilizing instructional materials
- operating instructional media equipment

**Professional attitudes related to:**

- Appreciating diverse learning styles
- Developing a belief that all students can learn
- Developing a foundation for research-based practice

**In-class instructional methods may include:** demonstrations, discussions, lectures, student-led activities, cooperative activities, tutorials, readings, problem solving, and media showings. Each activity is planned with an appreciation for diverse learning styles based on temperament, gender, and cultural/ethnic differences.

**Required Texts:**

There is no required textbook to purchase for this course.

Other readings may be required. Announcements regarding this will be made in class.

**Attendance Policy:** Regular class attendance is expected. If you must miss a class meeting, please speak with the instructor ahead of time.

**Honesty Policy:** The Augsburg College policy on academic honesty applies to this course. You will be asked to acknowledge your compliance with this policy in class. Unless otherwise stated, the assignments you hand-in are assumed to be your own individual work. Please refer to the Augsburg Student Guide for details.

**Grading Procedure:** Student performance will be evaluated on a 4.0-0.0 scale. Self-evaluation and instructor evaluation will be used to document progress towards course outcomes.

**Your grade in this course is composed of several elements:**

1. Classroom newsletter to student's families introducing you as their child's teacher. Include in this full-page letter: two columns, two graphics in addition to a picture of yourself, a chart or table and a graph. You must use a header and footer, WordArt, shapes, font variations and clip art. Please refer to Moodle for a more detailed explanation of this project. We will start this project the first night of class.
2. A series of journal articles concerning educational technology. You will need to abstract four journal articles in the area of educational technology. Listen to a pod cast and describe a pod cast.
3. An educational blog? Create a blog that you use in an educational setting.
4. Sign-up and create an on-line Portfolio using Minnesota eFolio. [www.efoliomn.com](http://www.efoliomn.com) Portfolio. At least three sections of the Portfolio should have information in them; the main page, contact section, and a new section called "Educational Technology" More will be added as class progresses.
5. A Power Point Presentation – Create a minimum of eight slides (maximum of twelve slides) using Power Point. These slides will be on an educational subject that you would theoretically be presenting to students or families. Assignment includes a finished Power Point presentation, slide handouts and the actual presentation given in front of your colleagues. The presentation should be 3 – 5 minutes in length.  
Using SMART Board software create an activity that can be used in an educational setting. The activity should make use of at least five SMART Board tools and be interactive.
6. Educational Technology Exploration – Based on your own interests in media and instruction, you may select one new or existing media, instructional tool, or piece of software on which you will report in writing (3-5 pages).

Course Schedule (this may change due to media availability and other considerations)

Class One

- To introduce this course and its requirements
- To discuss the evolution of technology in schools
- How to insert, copy and paste graphics into documents
- Word processing skills
- Digital imaging camera and software
- Please read and summarize the following article for class

**Author** Peggy A Ertmer,

**Title** Teacher Pedagogical Beliefs: The Final Frontier in Our Quest for Technology Integration?

**Journal Title** Educational Technology, Research and Development

**Volume 53 Issue 4 Date 2005 Pages: 25**

Class Two

- Signup and create an on-line portfolio
- Microsoft Picture Software
- To discuss effective technology integration
- Creating a Blog
- Powerpoint basics
- To discuss the role of technology in the classroom
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- Power Point and electronic presentations

#### Class Three

- The new technology
  - SMART Board
  - Power point advanced skills
  - Lego Technology
  - Evaluating websites

#### Class Four

- Software applications for the classroom
- Power Point Presentations