

AUGSBURG COLLEGE EDUCATION DEPARTMENT SYLLABUS
EDC 220--Educational Technology
Instructor: William Bierden

Credits: .5

Prerequisites: None.

Course Description: 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.

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 content, being competent in pedagogy, being ethical in practice, building relationships, embracing diversity, reflecting critically, and collaborating effectively.

Mission Themes (MT) assessed in this course: being knowledgeable in content; being competent in pedagogy

Applicable Standard of Effective Practice:

Standard 4: Instruction Strategies. A teacher must understand and use a variety of instructional strategies to encourage student development and critical thinking, problem solving, and performance skills. The teacher must:

- D. enhance learning through the use of a wide variety of materials and human and technological resources; and
- L. use educational technology to broaden student knowledge about technology, to deliver instruction to students at different levels and paces, and to stimulate advanced levels of learning.

Standard 6: Communication. A teacher must be able to use knowledge of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom. The teacher must:

- D. know effective, verbal, nonverbal, and media communication techniques; and
- K. use a variety of media communication tools, including audiovisual aids and computers, including educational technology, to enrich learning opportunities.

Course Objectives: Students in this course will develop and exhibit

<u>Knowledge of</u>	<u>Skills in :</u>	<u>Professional attitudes Related to</u>
-communications theory (6.K)	-producing instructional materials (6.D,K)	-appreciating diverse learning styles
-history and impact of technology	-utilizing instructional materials (4.D,L)	-develop a belief that students can learn
-selection and evaluation criteria (4)	-operating instructional media equipment	-developing a foundation for research-based practice
-future trends in technology	-ethical issues and standards (6.K)	
	-basic skills in selected applications	

Technology Requirements: This course provides a basic overview in the technologies used in future courses.

Field Experience Requirement: This course does not have a field experience requirement attached to it.

Required Text:

There is no required textbook to purchase for this course. Readings will be distributed in class, put on electronic reserve in the library, and/or distributed via the Internet and are required reading for the course. An on-line learning web site, AtomicLearning.com, will be used for application instruction.

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

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.

Assessment Descriptions and Grading: Your grade in this course is composed of several elements: (MSEP 4 & 6 addressed in each)

1. **Portfolio :** You will be required to create and update an online portfolio that will contain documents, and other evidence demonstrating proficiency in the educational technologies discussed in class. The portfolio sections created will be periodically graded throughout the course.

2. **Applications:** A number of current, and emerging software applications will be discussed in class. You will be asked to show a basic understanding of these technology

applications and create a classroom example using the technologies. Your examples will be posted in your eFolio.

3. **Online Workshop** : You will be asked to participate in an online workshop on Internet. This online workshop presents participants with Internet resources, evaluation criteria, and practical ideas on how to utilize the Internet in the classroom.

4. **Tests** : There will be a final test for the course. It will encompass the material discussed in the lectures, applications and technologies and will be in a short-answer essay format.

5. : Regular class attendance is expected. You may be absent from only one class period without penalty. For each class period missed beyond that, 5 points will be subtracted from your course total points. If you must miss a class meeting, please speak with the instructor ahead of time.

Professional behavior is expected from participants in this course. Students are accountable for all instructions posted to this web site and should familiarize themselves with all expectations and deadlines outlined here. Direct any inquiries to the course instructor. Also, students should dress professionally (no caps or athletic uniforms in class please!) and be sure to de-activate pagers and wireless communications devices prior to the beginning of class.

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. Those students who earn 95% of the points or more will receive a 4.0 for the course. Similarly: 90%-94% = 3.5, 85%-89% = 3.0, 80%-84% = 2.5, 75%-79% = 2.0, 70%-74% = 1.5, 65%-69% = 1.0, 60%-64% = 0.5, & 0%-59% = 0.0.

Students must show evidence of at least minimum competence in all outcomes (knowledge, skills, and attitudes) in order to pass this course. The updated portfolio and associated documentation are due no later than the final class meeting. Any exceptions to this deadline must be negotiated with the instructor prior to the final regular class period.

Policies:

Late Work Policy: Course assignments handed-in on time may be redone for additional credit if they are deficient in some way. On time means the assignment is handed-in during the class meeting indicated on the course calendar--not later that day. Late assignments cannot be redone.

Attendance Policy: Regular class attendance is expected. You may be absent from only one class period without penalty. For each class period missed beyond that 0.5 will be

subtracted from your course grade. 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.

Other Student Rights: Students with diagnosed learning disabilities or physical handicaps may have legal rights to course modifications. Please identify yourself to the instructor so that he may assist you in reaching your learning goals. All students have the right to use the Augsburg College Counseling Center and Student Development staff services, as well as to receive tutoring assistance from the Writing Lab.

Technology Expectations

As an education department, we expect these entry-level technology skills from our pre-service teachers:

- Read and answer e-mail regularly and in a timely fashion, using your Augsburg College email address.
- When required, attach documents to email.
- Make active use of online course resources (e.g., Blackboard).
- Access and use online file space (e.g., AugNet/Netware space).
- Use word processing for assignments. Require that they be done in Microsoft Word and that they are run through Spell Check. Other file formats will be accommodated on an individual basis.
- Have the ability to access and navigate the Internet.

Students who do not possess these skills, or do not have access to the computer hardware, should contact personnel in the student computing lab in Lindell Library for help in developing these skills. Students will receive training in Augsburg specific software such as Blackboard and AugNet in college orientation programs and/or in beginning coursework. Augsburg computer labs all have Microsoft Word for those students who do not have access to this software elsewhere.

Course Topics

Below is a list of some of the topics that will be introduced in class.

- History of Educational Technology - discussion of how technology has effected teaching, in the past, today, and in the future.
- eFolio – Explore the concept of online portfolios. Introduce eFolioMN.

- Internet – Participate in an online Internet Workshop which will explore the concepts of Internet and present participants with Internet resources, evaluation criteria, and practical ideas on how to utilize the Internet in the classroom.
- Web Page Evaluation - The ability to critically evaluate information is an important skill in this information age.
- Inspiration (Application) - Inspiration is a tool to develop ideas and organize thinking. Inspiration integrates visual mapping and outlining environments to help students comprehend concepts and information.
- Graphics – Compression and Animation
- WebQuest - A WebQuest is an inquiry-oriented activity in which some or all of the information that learners interact with comes from resources on the Internet.
- Netscape Composer (Application) – Software for creating a web page. This application will be used to create a WebQuest.
- PowerPoint/Keynote (Application)- these presentation applications provides a complete set of tools for creating powerful presentations. Organize and format your material easily, illustrate your points with your own images or clip art, and even broadcast your presentations over the Web.
- Digital Video- The concept of digital video editing will be discussed. Examples of classroom video editing projects will be shown.