COURSE OUTLINE

DEPT.: EDUC                        COURSE NUMBER: 1102

NUMBER OF CREDITS: 2

COURSE TITLE: Technology: Classroom Applications and Portfolio Development

CATALOG DESCRIPTION: Introduces the educational uses of technology by exploring computer applications as tools for their own learning as well as the ethics of electronic communications. A Teacher Education portfolio (online) will be developed.

AUDIENCE: Students interested in an education career

FULFILLS MN TRANSFER CURRICULUM AREA(S): none

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: College level reading score

LENGTH OF COURSE: 1 semester

THIS COURSE IS USUALLY OFFERED:
Every other year    fall   X    spring   X    summer   X    undetermined

Four goals are emphasized in courses at Minnesota West Community & Technical College:

ACADEMIC CONTENT: The academic objectives of this course are to:

• Apply and demonstrate appropriate uses of technology in the classroom.
• Increase digital literacy skills.
• Demonstrate how technology impacts learners.
• Demonstrate how culture and community factor into technology use.
• Expound on how technology can be used for learning accommodations.
• Refine interpersonal and communication skills
• Determine how to assess and document learning using technology

THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
• Examine and reflect on their rationale for using technology to enhance learning.
• Compare, analyze, and notate existing technology proficiencies and those required of a professional educator.
• List and understand available resources and how to continue learning in this area.

COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:

• Utilize class discussion, presentations, and utilization of technology to share ideas and concepts (oral skills)
• Utilize written summaries and reflection papers (written skills)

HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:

• Collaborate with classmates from diverse backgrounds
• Observe students with special needs, as well as those from diverse ethnic and socioeconomic groups
• Discuss teaching tools/technologies available to assist learners from diverse backgrounds.

TOPICS TO BE COVERED:

• Teaching Resume
• Web Literacy
• Interactive Resources
• Webquests
• Copyright Law for Educators
• Library Research and APA
• Newsletter
• Teacher Webpage
• Presentation tools
• Spreadsheets for assessment and communication
• Professional Development
• Professional Learning Network
• Livetext software, including creation of an online teaching portfolio

D. LEARNING OUTCOMES (General) –


The following standards will be covered within this course:
Topics within these standards include the following:

- concepts related to technology and student learning. (2H)
- development of student critical thinking, independent problem solving, and performance capabilities (4D)
- clear, accurate presentations and representations of concepts, using alternative explanations to assist students' understanding and present varied perspectives to encourage critical thinking; (4J)
- uses of 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. (4K)
- lesson plans that include methods and strategies to maximize learning that incorporate a wide variety of materials and technology resources. (4L)
- effective verbal, nonverbal, and media communication techniques (6D)
- support and expand learner expression in speaking, writing, and other media. (6I)
- use of media and educational technology to enrich learning opportunities. (6K)
- manage technology resources within the context of learning activities and develop strategies to manage student learning in a technology-integrated environment. (7H)
- establish and maintain student records of work and performance. (8L)
- use technology resources to collect and analyze data, interpret results, and communicate findings to improve instructional practice and maximize student learning. (8N)
- now major areas of research on teaching and of resources available for professional development. (9D)
- understand the role of reflection and self-assessment on continual learning. (9E)
- understand professional responsibility and the need to engage in and support appropriate professional practices for self and colleagues. (9G)
- role of continuous development in technology knowledge and skills representative of technology applications for education. (9M)
- understand data practices. (10F)
- understand the social, ethical, legal, and human issues surrounding the use of information and technology in prekindergarten through grade 12 schools and apply that understanding in practice. (10M)

LIST OF EXPECTED STUDENT LEARNER OUTCOMES/ASSESSMENT:

LEARNER OUTCOMES ASSESSMENT
Students will:

- increase knowledge and use of technology in 21st century classrooms
- identify current technology trends in education
- integrate technology with teaching opportunities in the classroom
- create a teaching resume
- demonstrate digital literacy through a Web Literacy Quiz
- apply copyright law as it pertains to educational usage
- create a Library Resources Annotated Bibliography using APA citation formatting
- create an Interactive Resources brochure
- evaluate webquests and create a webquest
- create a newsletter
• create a teacher webpage
• create a class presentation using technology
• create a grading spreadsheet along with graphs documenting student progress
• develop a professional learning network
• complete a Professional Development project
• develop and refine an online Teaching Portfolio

LEARNING/TEACHING TECHNIQUES used in the course are:
X  Collaborative Learning  X  Problem Solving
X  Student Presentations  Interactive Lectures
X  Creative Projects  X  Individual Coaching
X  Lecture  X  Films/Videos/Slides
X  Demonstrations  X  Other (describe below)

Technologies

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X  Reading  X  Tests  X  Individual Projects
X  Oral Presentations  Worksheets  X  Collaborative Projects
X  Textbook Problems  X  Papers  X  Portfolio
X  Group Problems  Term Papers
Other (describe below)

The information in this course outline is subject to revision

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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