

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Computers & Technology in Education

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Semester Course Prefix and Number: EDUC 1416

Approval Date: March 2010

Old Quarter Course Prefix and Number:

Revision Date:

Number of Credits: 2

Number of Lecture Credits: 2

Semester(s) Offered: Fall

Number of Lab Credits: **Number of Lab Hours:**

Class Size: 35

Number of Studio/Demonstration/Internship Credits:

Negotiated by AASC on:
(date)

Course Purpose Code:

_____ 0 – Developmental Courses

_____ 1 – Non-transferable

_____ 2 – Technical course related to career programs

_____ 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)

 x 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)

_____ 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.

_____ 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:

This course provides a hands-on introduction to utilizing computers and technology to enhance teaching and learning in an educational setting. In addition, it addresses ways in which technology may be used as an effective tool to differentiate learning in order to meet the needs of all learners. A brief exposure to assistive and adaptive technologies will also be introduced.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s):

Reading Prerequisite:

Composition Prerequisite:

Mathematics Prerequisite:

Career Programs and Transfer Majors Accessing this Course:

Human service professionals, Early Childhood and Elementary Educators, Parent Educators, Paraprofessionals, and Child Care Providers

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:

(Notes: No more than two goals may be met by any one course. Curriculum Committee review and the Chief Academic Officer's approval are required.)

0. _____ None

6. _____ The Humanities and Fine Arts

1. _____ Communications

7. _____ Human Diversity

2. _____ Critical Thinking

8. _____ Global Perspectives

3. _____ Natural Sciences

9. _____ Ethical and Civic Responsibility

4. _____ Mathematical/Logical Reasoning

10. _____ People and the Environment

5. _____ History and the Social and Behavioral Sciences

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

- Describe the progression of computers and technology in education
- Discuss the benefits and limitations of computers and technology in the classroom
- Articulate a personal philosophy for the use of computers and technology in the classroom
- Demonstrate the ability to use the following: graphic software, Power Point, online instructional format, digital camera, Flip camera, internet, scanner, Smart Board, Microsoft Excel/or Access, and eFolio
- Produce lesson plans that incorporate the use of technology
- Identify best practices for the use of computers and technology in the classroom

Student Assessment Methods:

Examinations
Lesson Plan
Demonstration

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

D2L Instructional Format, digital camera, flip camera, scanner, software, internet, Smart Board and eFolio

Outline or Statement of Major Course Content:

- History of technology and computers in education
- Developing a personal philosophy for the use of computers and technology in the classroom
- Developing hands-on skills using a variety of technologies
- Using computers and technology to meet the needs of all learners
- Assessing the curriculum to imbed computers and technology
- Designing instruction to include computers and technology
- Using computers and technology to collect, analyze, summarize and report student work

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.) UMD Early Childhood/Unified Program and UMD Elementary Education.

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Administrative Office

Copies: Curriculum Committee Chair, AASC Chair, Transfer Specialist, Originating Faculty Member, Scheduler, Records

Revised: May 2009