

*Topics in Education*

## *Technology in the Classroom*

EDUC 3125.02

Main Campus

FaS 2003

3 Credit Hours

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**Course Description: (provide details of student focus, rationale, scope, and prerequisites)**

This course is intended for beginning computer users. This is a hands-on, project-based course designed to help educators use technology creatively and effectively to help students learn.

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**Learning Outcomes: (goals, objectives, course outcomes, etc.)** □ **Identify any MOSTEP or professional standards that are met by each learning outcome.**

- Describe terms, concepts and trends in the use of technology with elementary and secondary students.
- Select and evaluate websites to determine appropriate use in the classroom.
- Evaluate, choose and use teaching technology tools.
- Use the Internet for research.
- Design lessons using technology.
- Demonstrate competency in the use of computers.

- Research services available to students with special needs and develop a presentation to provide information on this topic to parents.
- Describe terms, concepts and trends in the use of technology with elementary, secondary, and special education students. (MO-STEP 1b, 3a, 5a; CC5-K3)
- Select and evaluate web sites to determine appropriate use in the classroom. (MO-STEP 1b, 5a; CC5-K3)
- Plan for the use of technology as an integrated part of the curriculum. (MO-STEP 1b, 5a; CC5-K3)
- Use word processing, database, spreadsheets, and graphics with children and as teacher utilities. (MO-STEP 1b, 5a)
- Use the Internet for research and email. (MO-STEP 1b, 5a)
- Design an integrated lesson using technology. (MO-STEP 1b, 5a; CC5-K3)
- Demonstrate competency in the use of software and hardware. (MO-STEP 1b, 5a)
- Examine future developments and trends in technology with special emphasis on their implications for the classroom. (MO-STEP 1b, 5a)

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**Schedule of required readings, class preparations and assignments, lectures, discussions, student presentations, out-of-class assignments and exams.**

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**Week 1:**

Introductions

Course overview

The Internet as a Research Tool

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**Week 2:**

Honing your Internet Searches  
Bookmarking and Organizing Resources  
Data Mining and Sharing Resources  
Intro to Webquests

**Week 3:**

Developing Webquests  
Developing Web Resource Assessment Tool

**Week 4:**

Planning a Classroom Website

**Week 5:**

Classroom Website Development

**Week 6:**

Complete Website

**Week 7:**

Developing Effective Print Media  
Database and Spreadsheet Development  
Using Pagemaker  
Design Classroom Poster

**Week 8:**

Design and Create Classroom Newsletter  
Using Digital Still Cameras

**Week 9:**

Complete Classroom Newsletter

**Week10:**

Developing a Linear-sequential Presentation  
Using Powerpoint



**Week 11:**

Develop Encyclopedic Presentation  
Using Hyperstudio

**Week 12:**

Complete Hyperstudio Presentation

**Week 13:**

Planning a Video Presentation  
Using Digital Camcorders

**Week 14:**

Video Production

**Week 15:**

Video Post-production  
Non-linear Editing

**Week 16:**

Final Presentations

*The Missouri Show-Me Standards are addressed within the content of this course. Identification of specific standards are included within course assignments. Integration of Missouri Assessment Program (MAP) standards and grade levels will be integrated into this course when appropriate.*

**4. Resources:****Text(s):**

An annual subscription to UnitedLearning streaming videos is required. The bookstore has subscription information. *Note: Access (at no charge) may be available through employing school districts to students who teach.*

**Supplemental Readings: (list and indicate how these are to be used)**

Readings will be available online at [ron-carr.com](http://ron-carr.com)



**Audio-visual/other:**

Multimedia learning materials will be available online at ron-carr.com



**5. EVALUATION: (basis of evaluation with explanation regarding the nature of the assignment and the percentage of the grade assigned to each item below)**

Class presentation(s) – 10%

Class Participation/attendance – 10%

Class Assignments – 80%



**6. FINAL PROJECTS: Final projects/papers will be returned to students in the following manner:**

A CD-ROM containing student assignments will be mailed to students at the conclusion of the course.



*NOTE: Papers will not be available for pick up from the School of Education Office.*



- *This syllabus is subject to change at the discretion of the instructor.*
- *Regular class attendance is required.*