



## Course Syllabus

EDTC 5010 04

COURSE NUMBER AND SECTION

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INSTRUCTOR E-MAIL ADDRESS

Introduction to Technologies: Multimedia Applications

COURSE TITLE

Summer – 2003/ 2

TERM

CREDIT HOURS

SVER

SITE

### 1. Course Description:

This course is intended for experienced computer users. This is a hands-on, project-based course designed to help educators use technology creatively and effectively in support of curriculum in the elementary and secondary school classrooms. It provides an in-depth explanation of multimedia applications including the use of VCRs, CD-ROM, laser disc players, scanners, camcorders, and digital cameras in lesson planning and preparing presentations. Means of presentation including LCD panel, TV monitor, and other projection devices will be explored. Other elements covered will be modems, classroom environments (one-computer, clusters, lab), equipment configurations (stand-alones, networks, etc.), the impact of technology on the teaching/learning process, and copyright and licensing issues. Emphasis is on the implementation of multimedia applications in the classroom.

Prerequisite: Introduction to the Macintosh/Windows or permission of the Educational Technology Coordinator.

### 2. Learning Outcomes:

This course will enable the student to:

- Incorporate VCRs, CD-ROMs, laser disk players, scanners, camcorders, and digital cameras into lesson planning.
- Present projects using LCD panel, TV monitor, and/or other projection devices.
- Describe the impact of technology on the teaching/learning process.
- Explain copyright and licensing issues.
- Describe Internet connections, classroom environments and equipment configurations.
- Integrate a variety of multimedia materials into classroom lessons.
- Plan lessons for students to create multimedia presentations.

### 3. Schedule of Required Reading, Class Presentations and Assignment, Lectures, Discussions, Student Presentations, and Graded Exercises:

Session 1: Course overview, rationale

Digital cameras and camcorders

Session 2: CD-ROMs

Session 3: Article or video review due

Copyright and licensing issues

Classroom environments and equipment configurations

Session 4: Laser disc players and VCRs

Session 5: Project incorporating multimedia into teaching due

Project presentations

Session 6: Scanners

Session 7: Internet and modems

Session 8: Project incorporating multimedia into student assignment due  
Project presentations

The Missouri Show-Me Standards are addressed within the content of this course. Identification of specific standards is 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 Used: Simkins, Michael; Cole, Karen; Tavalin, Fern; Means, Barbara. (2002) *Increasing Student Learning Through Multimedia Projects*. Alexandria: Association for Supervision and Curriculum Development.

Supplemental Readings: Articles from current professional journals on issues related to the use of multimedia equipment and applications in education.

Audio/Visual/Other: TBA

5. Evaluation:

Participation in class discussion (20%)

Article or video review (20%)

Project incorporating multimedia into teaching (30%)

Project incorporating multimedia into student assignment (30%)

6. Final Projects: Final projects will be returned to students who provide a self-addressed, postage-paid envelope to the instructor.

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

- Regular class attendance is required.
- This syllabus is subject to change at the instructor's discretion; therefore, regular attendance is required.