

Webster University Course Syllabus

EDTC 5010.01

Course: Introduction to Technologies for Educators: Classroom Technologies for Educators (3)

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Course Description: (Student focus, rationale, scope, and prerequisites)

This course is designed for educators and provides an introduction to using technology and multimedia in the classroom. This is a hands-on, project-based course and is designed to help educators use technology creatively and effectively in support of curriculum. Topics addressed will include current literacy issues, exploration of representative teacher-utility and educational software applications. Software packages explored will include word processing, database, spreadsheets, desktop publishing, and presentation packages. Students will consider how a variety of technologies, including multimedia, and the Internet, can support their efforts in the classroom.

Prerequisite: Introduction to the Macintosh or Introduction to Windows or equivalent experience with permission.

Learning Outcomes: (Goals, objectives, course outcomes, etc.)

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

- Operate the hardware components of a computer system.
- Describe terms, concepts and trends in the use of technology with elementary, middle and secondary students.
- Plan for the use of technology as an integral part of the curriculum.
- Use word processing, database, spreadsheets, and desktop publishing software with students and as teacher utilities.
- Explain the potential role of authoring packages in the classroom.
- Describe the educational implications of various technologies such as telecommunications.
- Examine future developments and trends in technology with special emphasis on their implications for the classroom.

Schedule of Required Reading, Class Preparations, and Assignment, Lectures, Discussions, Student presentations, and Exam.

Session 1

Course overview, rationale
Basic components of a computer
Discussion of fundamental technology skills for educators

Session 2

Appleworks – Tools
Importing Graphics

Session 3

Appleworks – Desktop Publishing
Creating a Newsletter

Session 4

Critic of Article 1 Due
Appleworks – Desktop Publishing (cont.)
Creating a Newsletter
Digital Cameras and Scanners
Assignment: Create a Newsletter

Session 5

Newsletter Due
Intro to Database and Mail Merge
Assignment: Describe three classroom activities that utilize databases.

Session 6

Database Three Classroom Activities Due
Intro to Spreadsheets and Charts
Assignment: Create a spreadsheet and chart

Session 7

Spreadsheet and Chart Due
Introduction to Presentation Software
Kid Pix, HyperStudio, and PowerPoint

Session 8

Test on Material Covered to Date

Session 9

Critic of Article 2 Due

Presentation Software (Continued)

Kid Pix, HyperStudio, and PowerPoint

Assignment: Create a PowerPoint slide show (4 slides)

Discuss Final Project (Web Based Student Project)

Session 10

Presentation Software (Continued)

Kid Pix, HyperStudio, and PowerPoint

Assignment: Create a PowerPoint slide show (4 slides)

Session 11

Presentation PowerPoint Slide Show Due

Intro to Digital Video

Digital Video Camera and iMovie

Session 12

Critic of Article 3 Due

Digital Video (Continued)

Editing Digital Video

Assignment: Describe three student activities that utilize digital video.

Session 13

Digital Video Activities Due

Intro to Internet Research

Evaluating Web Resources

Session 14

Intro to WebQuest

Creating web based student projects

Session 15

Test on Material Covered to Date

Creating Web Pages (Continued)

Web based student projects

Microsoft Word HTML

Session 16

Presentation of final project

Resources:

Text Used:

Supplemental Readings: Articles from current professional journals on issues related to the use of technology in education.

Audio Visual/Other:

Evaluation:

- Various computer generated projects
- Three article reviews
- Class participation
- Activities incorporating technology
- Test on material covered in class

Final Projects:

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

Attendance:

Attendance is required for every class. Unapproved absences will result in one of the following:

1. The student's grade for the course will be lowered, or
2. The credit hours earned for the course will be reduced, or
3. The student's grade for the course will be changed to NC (No Credit).
It is the student's responsibility to withdraw from the course according to the **Withdrawal Procedures** outlined in the **Graduate Studies Catalog**.

Note: This syllabus is subject to change at the discretion of the instructor. Therefore, regular attendance is required.