Murray State University

Course Syllabus Outline

DEPARTMENT: Educational Leadership and Counseling

COURSE NUMBER: ADM 670

TITLE: Educational Applications of Technology

CATALOG DESCRIPTION:

Applications of specific aspects of educational technology as they relate to administration and instruction, school and classroom management, networking, distance learning, statistical reporting, pupil scheduling, information retrieval systems, and technology issues. May be repeated for up to six hours credit.

PURPOSE:

School administrators counselors, librarians and teachers at all levels have a growing need to use the tools of technology to enhance and extend the school curriculum and to attain a high level of instruction that demonstrates the importance of technology to students who will live their lives in the 21st Century. Students will be provided the opportunity to explore a wide range of topics and gain competence in areas most germane to their specific situations, backgrounds, and work requirements. This course will examine the potential to telecommunications to impact K-Adult education. Students will actively explore a variety of on-line informational and interpersonal resources available on the Internet to successfully integrate the use of on-line resources in teaching and learning, how to find web-based instructional materials for students and teachers to utilize, and current philosophies, policies, and trends in instructional technology.

COURSE OBJECTIVES:

Numbers in parentheses next to each objective refer to KERA Goals and Kentucky Experienced Teacher Standards (ETS). Connections to the International Society for Technology in Education (ISTE) National Educational Technology Standards for Administrators (NETS-A) appear in brackets.

After completing this course, students will:

Demonstrate a basic understanding of telecommunications and its role in instruction. (KERA Goals 1, 6; ETS II, X) [NETS-A II, III]
Demonstrate a mastery of a variety of ways to access educational resources via:
   Communicating via electronic mail
   Participating in group discussions via listservs and newsgroups
   Using education-oriented forums
   Using various search engines on the Web
   Downloading material from other computer sites
   Uploading files to computer sites
   Creating a WWW instructional homepage

Design WebQuests and other instructional activities that use telecommunications in the curricular areas. (KERA Goals 1, 2, 6; ETS III, X) [NETS-A II]

Evaluate and present your findings of materials and software for instructional use. (KERA Goals 2, 3, 5, 6; ETS VIII, X) [NETS-A II, III, V]

Evaluate the current levels and effects of telecommunication in schools and the use of telecommunications to enhance teaching and learning in the future. (KERA Goals 1, 3, 5, 6; ETS I, X) [NETS-A I, IV, V, VI]

CONTENT OUTLINE:

The initial part of the course will be devoted to general issues related to best instructional practices using technology. The remainder of the course will involve applying instructional technology and learning theory in evaluating, designing, and preparing curricula and instructional materials and activities.

INSTRUCTIONAL ACTIVITIES:

A variety of instructional activities will be employed in this course including face-to-face instructional mediums such as lecture, discussions and group work. Telecommunications mediums include email, listservs, forms, newsgroups, interactive television, and NetMeeting.

FIELD, CLINICAL AND/OR LABORATORY EXPERIENCES:

None

RESOURCES:

The world wide web will be the principal resource for this course.
GRADING PROCEDURES:

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<thead>
<tr>
<th>Assignments</th>
<th>Point Values</th>
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<tbody>
<tr>
<td>Required Reading and Review</td>
<td>100</td>
</tr>
<tr>
<td>Posts to Online Discussion</td>
<td>100</td>
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<tr>
<td>WebQuest Evaluation</td>
<td>100</td>
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<td>Web Site Evaluation</td>
<td>100</td>
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<tr>
<td>Annotated Bookmarks</td>
<td>100</td>
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<tr>
<td>Search Engines and WWW Searches</td>
<td>100</td>
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<td>Listserv, Forum</td>
<td>100</td>
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<td>WWW Projects</td>
<td>100</td>
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<tr>
<td>Re-Creation of Teacher Materials and Lessons</td>
<td>100</td>
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<tr>
<td>Making Curriculum Connections to Kentucky Core Content</td>
<td>100</td>
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<tr>
<td>Basic WebQuest Project (Mid Term)</td>
<td>250</td>
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<tr>
<td>Basic Home Page Project (Final)</td>
<td>250</td>
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ATTENDANCE POLICY:

Class attendance and participation in face-to-face and on-line activities are required and grades may be adjusted to reflect noncompliance.

ACADEMIC HONESTY POLICY:

Any instance of academic dishonesty will result in a failing grade for the course and may result in further disciplinary action by Murray State University.

TEXT AND REFERENCES:


PREREQUISITES:

Students should have a good working knowledge of computer operations and word processing. They should have some experience with email and the WWW. Since much of the course will be offered on-line, students must have access to the Internet and an email account that allows the student to send and received attached files. All graduate students should verify with an academic advisor how this course would count toward the completion of a graduate program.