

Professional Education Unit

Early Childhood, Elementary and Special Education

Integrating Technology into the Classroom (Face-to-face) EDEL 302 003 Fall 2010

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M: 9-10, 1-3; T: 1-3; W: 9-10; (Other times by appointment) Office Hours:

Course Description: EDEL 302. Integrating Technology into the Classroom. (3-0-3); I, II. Focus on the principles of instructional technology and the appropriate integration of technology into the classroom for both teaching and learning. Prerequisite: CIS 101 or EDUC 222 Co-requisite: EDSP 367 and EDEM 330

Required Field Experience Hours: 7 Level 2

"Community Engagement: A Light to and from the Mountains"

The Professional Education Unit at Morehead State University delivers rigorous, high quality programs that prepare professionals informed by best national and international scholarship, plus research, literature, and experiences specific to Appalachia- preparing professionals to improve the schools, quality of life, and the communities in which they live and serve. This statement is not only the strategic mission for the College, but it also incorporates the conceptual framework that guides all our activities.

Conceptual Framework Outcomes (CFO's):

The Unit and the faculty within individual programs assess the degree to which its graduates:

- 1) Master the content knowledge, professional and the twenty first century skills need to make an optimal contribution to "whole" student learning in education settings.
- 2) Are competent in the collection and use of data to inform decision making and to demonstrate accountability for student learning.
- 3) Demonstrate professional dispositions

- 4) Are culturally competent and understand the regions from which they have come utilizing knowledge and experiences to effectively "bridge the gaps" (economic, achievement, and geographic) ensuring optimal learning for all students.
- 5) Engage in authentic field experiences in collaboration with committed school based partners and are empowered to improve the quality of education throughout this region and beyond.

 Student Learning Outcomes (SLO's): By the end of this course, the candidate will be able to:
 - 1. Students will define the meaning of technology, instructional technology, and how instructional technology fits in the design of instruction.
 - 2. Students will use their understanding of the basic components of computer hardware and software to select appropriate classroom computer technology to support classroom teaching and learning
 - 3. Students will create a technology supported KTIP lesson plan.
 - 4. Students will design effective instructional bulletin boards.
 - 5. Students will create and present technology enhanced lesson plans.
 - **6.** Students will search and select Internet resources to support instruction.
 - 7. Students will use databases and spreadsheets to maintain student information and support instruction.
 - 8. Students will recognize various types of adaptive technology.
 - **9.** Students will collaborate with each other and the instructor in face-to-face and virtual learning situations to design and develop technology enhanced instructional strategies.
 - 10. Students will engage in active discussions concerning the use of technology in the classroom

NCATE/ EPSB Accreditation Alignment of CFO's and SLO's:

	Program: P-5, 5-9, & Special Ed.: Integrating Technology into the Classroom				
Aligned with Assessment (point values)	Kentucky Teacher Standards (KYS)	Kentucky Education Reform Act (KERA)	Education Professional Standards Board (EPSB)	National Council for Accreditation of Teacher Education (NCATE)	International Society for Technology in Education (ISTE)
WebQuest w/ lesson plan CFO: 1, 4 SLO: 2,3,5,6	I, II, VIII, IX	Students address various Core Content and Program of Study standards based on the content and grade level they select as a focus for their instruction	Technology, Assessment, Achievement Gap	1b, 1c, 1d	2,3,4
Digital storybook CFO: 1, 4	I, II, VIII, IX	Students address various Core Content	Technology, Assessment, Achievement Gap	1b, 1c, 1d	2,3,4

SLO: 2,3,5,6		and Program of Study standards based on the content and grade level they select as a focus for their instruction			
Multimedia project CFO: 1, 4 SLO: 2,3,5,6	I, II, VIII, IX	Students address various Core Content and Program of Study standards based on the content and grade level they select as a focus for their instruction	Technology, Assessment, Achievement Gap	1b, 1c, 1d	2,3,4
Interactive bulletin board CFO: 1, 4 SLO: 2,3,4,5,6,9	I, II, III, VI, VIII, IX	Students address various Core Content and Program of Study standards based on the content and grade level they select as a focus for their instruction	Technology, Assessment, Achievement Gap	1b, 1c, 1d	2,3,4
Digital portfolio CFO: 1, 4 SLO: 2,3,5,6	I, II, VIII, IX	N/A	Technology, Assessment, Achievement Gap	1b, 1c, 1d	2,3,4
Quizzes CFO: 1, 4 SLO: 1,2,3,5,6	I, II, VIII, IX	N/A	Technology, Assessment, Achievement Gap	1b, 1c, 1d	2,3,4
Participation, BlackBoard, & homework assignments CFO: 1, 4 SLO: 1,2,6,7,8,9,10	I, II, III, VI, VIII, IX, X	N/A	Technology, Assessment, Achievement Gap	1b, 1c, 1d	1,2,3,4,5

Assignment Descriptions:

[P-5, 5-9, & Special Ed.] Program:

EDEL 302 Integrating Technology into the Classroom

Assessment (point value)	Description
Quizzes (up to 90 pts)	Pop quizzes will be given at approximately two week intervals throughout the semester to gauge student knowledge and understanding of readings and content discussed in class.
Interactive Bulletin Board (50 pts)	The purpose of this project is to create a lesson plan and interactive activity using SMARTBoard. A journal/blog will be required that shows how you developed your ideas and the time you took. This lesson will be taught in your elementary classroom.
Webquest (50 pts)	This project will focus on using a self-created WebQuest to enhance the learning for a particular lesson. Each class member will develop a KTIP lesson plan that utilizes a self-created WebQuest. How you use the WebQuest in your lesson will only be limited by your creativity.
Multimedia Project (50 pts)	You will develop a podcast based on a specific book of your choosing (with clear reference to an interest inventory taken in your elementary classroom). The project will incorporate the use of recorded audio, video, digital pictures. Additionally, the video should demonstrate the appropriate use of video editing with items such as text, clip work, and transitions.
Participation, BlackBoard, & Homework (up to 150)	Participation and completion of various small homework assignments for submission in class and on BlackBoard will be required.
Digital Portfolio (100 pts)	You will create a digital portfolio using Google Sites to show how you have met the NETS standards throughout this semester. You will include samples of work to demonstrate your current mastery of different standards, and you will follow the outline which will be provided for you. The portfolio will include hyperlinks, photographs, clipart, audio, and a video clip.

Grading Scale:

WebQuest with Lesson Plan	50
Pop Quizzes	Up to 90
Multimedia Project	50
Blogs	45
Attendance	50
Participation, Blackboard, and Homework Assignments	Up to 150
Interactive Bulletin Board Project	50
Final Digital Portfolio	100

Maximum Possible Points for this course 585

Required Textbooks:

Lengel, J.G. & Lengel, K.M. (2006). Integrating technology: A practical guide. Boston, MA: Allyn and Bacon.

One flashdrive (at LEAST 1 GB available for this class)

At least \$2 loaded on your MSU card (for in-class printing)

Course Evaluation:

Student's course evaluation will be determined by class projects, homework assignments, and class participation. The course evaluation is based on up to a total of 585 points. All assignments are to be turned in on time.

Attendance Policy:

One absence (in total) will be permitted during the semester. Absences over and above this number will incur a 25-point penalty, which can only be made up by completing a research paper. All students who have perfect attendance will receive bonus points. It should be stressed, however, that this class is hands-on and covers a lot of material. If you do miss a class, for any reason, you will certainly need to contact a fellow student to find out what you missed and make it up. It should also be stressed that you should be very careful how you use your 'free' absences. If you use them for frivolous purposes, you may find yourself in difficulties if you need to make a doctor's visit or if you become ill.

Tardiness should be avoided. I prefer to begin class on time, and finish on time. Tardiness and early leaving will be noted in my grade book. Two tardies/early leavings will count as one absence. If you have a serious problem getting to class on time, please come and discuss this with me.

Academic Honesty

Cheating, fabrication, plagiarism or helping others to commit these acts will not be tolerated. Academic dishonesty will result in severe disciplinary action including, but not limited to, failure of the student assessment item or course, and/ or dismissal from MSU. If you are not sure what constitutes academic dishonesty, read the Eagle: Student Handbook or ask your instructor. An example of plagiarism is copying information from the internet when appropriate credit is not given. The policy is located at http://morehead-st.edu/units/studentlife/handbook/academicdishonesty.html

Americans with Disabilities Act (ADA)

In compliance with the ADA, all students with a documented disability are entitled to reasonable accommodations and services to support their academic success and safety. Though a request for services may be made at any time, services are best applied when they are requested at or before the start of the semester. To receive accommodations and services the student should immediately contact the Disability Services Coordinator in the Office of Academic and Career Services, 223 Allie Young Hall, 606-783-5188, www.moreheadstate.edu/acs/

Campus Safety Statement

Emergency response information will be discussed in class. Students should familiarize themselves with the nearest exit routes in the event evacuation becomes necessary. You should notify your instructor at the beginning of the semester if you have special needs or will require assistance during an emergency evacuation. Students should familiarize themselves with emergency response protocols at http://www.moreheadstate.edu/emergency

All students in this course are required to purchase a TK20 account. TK20 plays an essential role as a repository documenting your progress through the teacher education program and is as necessary as any other course requirement. You are expected to have purchased and activated your account by the beginning of the third week of class. Your account may either be purchased at https://payment.tk20.com/ctpayment/options menu.do or through the University bookstore. (If you are an education major, you only have to purchase this once; if you are taking this course to

explore your interest in teaching you can purchase a one semester subscription at a reduced rate. For information on this option contact the College of Education Assessment Office at <u>tk20help@moreheadstate.edu</u>.)

Course Calendar:

Date	Topics and Assignments		
Aug 24	Topic One: Education in the New Century		
	Online Readings located on BlackBoard		
	Course Introduction		
	Defining technology and instructional technology.		
	ISTE, NETS and digital portfolios		
	Using Blackboard		
	Using SMARTBoard (Overview of first major assignment)		
Aug 31	Topic Two: Traditional Technology with a Spin		
rug 31	Online Readings located on BlackBoard		
	Lesson Planning		
	1		
	Core Content, Academic Expectations, Program of Studies Widing a bindings.		
	Writing objectives		
	Writing KTIP lesson plans		
	Creating a technology enhanced lesson plan		
	Interactive Bulletin Board Project Due: September 14		
Sep 7	Topic Three: Where does the teacher fit?		
	Online Readings located on BlackBoard		
	 Apple Classrooms of Tomorrow – Today 		
	Teachers as learners		
	What teachers need		
	• Learning Environments		
Sep 14	Topic Four: Technology Focus 1		
	Online Readings located on BlackBoard		
	Using a SmartBoard		
	Setting up an IM account		
	• Blogging		
	• PowerPoint		
	Basic PowerPoint usage		
	Rules of PowerPoint		
	o Inserting pictures, sounds, video		
	 Hyperlinks: external and internal 		
	Setting up a digital Portfolio		
	Setting up a digital Fortiono		
Sep 21	Proposed Activity Day		
San 20	Topic Five: Getting Started		
Sep 28	Online Readings located on BlackBoard		
	• Desktop or Laptop?		
	• Computer Ergonomics		
	• Wireless Setup		
	• Mass Storage		
	Organizing Your Files		
	When to Call for Help		
	Topic Six: Going Paperless		
	Online Readings located on BlackBoard		
	Why Go Paperless?		
	Planning Your Work		
	Thinking, Writing, and Publishing		
	 In-class time for bulletin boards 		

Date	Topics and Assignments	
Oct 5	Topic Seven: Using the Internet: Beyond Browsing	
	Online Readings located on BlackBoard	
	 Searching for and selecting web-based resources for teaching and learning. 	
	• Evaluating websites	
	• Ethics	
	Bookmarking	
	Social Networking	
Oct 12	Topic Eight: WebQuests	
	Online Readings located on BlackBoard	
	Web Quests and Web-based activities	
	WebQuest Project Due: October 19	
Oct 19	Topic Nine: Publishing on the Web	
	Online Readings located on BlackBoard	
	An Educational Startup Page	
	Writing for the Web	
	Looking Good Online	
	Design Principles for the Web	
	Displaying Text	
	• Teacher.com	
	Building a Web Page	
	Final Digital Portfolio Due: December 7	
Oct 26	Topic Ten: Presenting Ideas	
	Online Readings located on BlackBoard	
	Using Presentation programs to support the classroom	
	PowerPoint Presentations	
	PowerPoint Hints and Tips	
	Animation With PowerPoint	
	Advanced PowerPoint	
Nov 2	Topic Eleven: Words and Numbers	
1,0,2	Online Readings located on BlackBoard	
	• Word	
	o Editing Text in Word	
	Beyond Words	
	o Brochures in Word	
	 Newsletters in Word 	
	 Accentuate the Positive: Foreign words 	
	 Math Equations in Word 	
	o Correcting Papers	
	Using databases and spreadsheets to support the classroom	
	• Excel	
	o Basic usage	
	 Setting up a gradebook 	
	 Using graphs 	
	 Using formulae 	
Nov 9	Topic Twelve: Images	
	Online Readings located on BlackBoard	
	Digital picture taking	
	Digital image editing	
	Presentation of WebQuest lessons	
Nov 16	Topic Thirteen: Video, and Audio	
	Online Readings located on BlackBoard	
	Shooting Good Video	
	Video Editing	
	Creating Podcasts	
	Multimedia Project Due: November 23	
Nov 23	Topic Fourteen: Games for the Classroom	
	Online Readings located on BlackBoard	
	Video Games for the Classroom	
	In-class session for Multimedia Project	
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Date	Topics and Assignments		
Nov 30	Topic Fifteen: Technology Issues for the 21st Century		
	Online Readings located on BlackBoard		
	Technology for diverse populations		
	Critical Issues in educational technology		
	Presentation of Multimedia Projects		
Dec 7	Submission of Digital Portfolios: May 4		
Dec14	•		
Exam Week			

Assignment Dates:

SMARTBoard/Bulletin Board Assignment: September 14

WebQuest: October 19

Podcast: November 23