



Course Title:	“Distance Learning & Video Conferencing Fundamentals, Virtual Field Trips, and other Conferencing Technologies”
Course Number:	EDTC 5630
Course Section:	02
Credit Hours:	2 Credit Hours
Instructor:	Jason Hudhall
Contact Information:	email: jason.hudhall@sbcc.edu cell phone: (314) 609-7486
Term:	Spring 2004, 2 nd Semester
Student Limit:	16
Duration:	8 Weeks
Dates:	Mondays (3/15, 3/22, 3/29, 4/5, 4/12, 4/19, 4/26, 5/3)
Time:	5:00 pm - 8:00 pm
Site Locations:	Multiple Meeting Locations (refer to the dates below)
Lab Fees:	\$25 (covers long distance ISDN line costs for virtual field trips)

Course Description:

“Oh, the places you and your students will go while using Interactive Distance Learning!”

Videoconferencing technology allows students at two or more locations to see and hear each other simultaneously whether across the state or around the world. Making videoconference connections outside the classroom increases student motivation and learning. We will discover how videoconferencing is ideal for virtual fieldtrips, professional development, collaborations, community events, and much more.

This course will focus on the effective and educational uses of videoconferencing technology by providing basic information about the technology, instructional applications, and resources to help you link with other videoconferencing teachers, librarians, and content providers. The class will meet and tour multiple video sites and experience a variety of conferencing technologies including audio and video conferencing, webconferencing and webcasting.

Prerequisites:

Classroom Technologies or permission of the Education Technology Coordinator

Learning Outcomes:

Goal: For Students to Teach Using Video Conferencing Technologies and Understand the Concepts and Teaching Strategies Used in Distance Learning

Objective 1: Students will be able to locate video conferencing content for virtual field trips to integrate into their curriculum

MOSTEP Standard: 1B, 1E, 4A, 4B, 5B, 6C, 7C, 10D

Objective 2: Students will be able to turn on and set up video equipment, establish both one way and multi-point video calls, and use the video peripherals.

MOSTEP Standard: 7D

Objective 3: Students will be able to demonstrate and evaluate effective classroom management strategies used in distance learning

MOSTEP Standard: 1B, 6A, 6B, 6C, 8A, 8B, 8C

Objective 4: Students will be able to present classroom lessons using video conferencing technologies, addressing differentiation and diversity

MOSTEP Standard: 1B, 1E, 4B, 5A, 7A, 7B, 7D, 9A

Objective 5: Students will subscribe to multiple distance learning list serves and join MO organizations so they can continue their learning, collaborate with others, and stay abreast of new advancements in distance learning

MOSTEP Standard: 10A, 10C, 10D

Objective 6: Students will be able to discuss distance learning technologies, features, and associated telecommunication terminology

MOSTEP Standard: 2B

Objective 7: Students will be able to train others on how to use video conferencing in their classrooms, for professional development, staff meetings, and other for other communication needs

MOSTEP Standard: 1B, 9B, 10A, 10D

Course Schedule:

Day 1: March 15, 2003 "Video Conferencing Fundamentals"

Meeting Location: SBC, 12851 Manchester Rd, Des Peres, MO 63131

Directions: 270 and Manchester, West side of 270, SBC Building on East Bound Manchester

Agenda:

- Introductions - "Using the Remote Activity"
- Connecting the Equipment, Set Up, and Using the Peripherals - Document Camera, VCR, Connecting a Laptop
- Distance Learning Rooms Explored
- Guest Speaker – Marci Powell, SBC, "Etiquette – The Do's and Don'ts"
- In Class Time to Prepare for Group Presentations – Computer Lab
 - Group 1 – Finding Content for Your Classroom
 - Group 2 – Etiquette
 - Group 3 – Teacher Protocols
 - Group 4 – Student Protocols
 - Group 5 – Fair Use Guidelines, AUP, Permission Slips
 - Group 6 – Presentation Guidelines
- Virtual Field Trip Video (student evaluation)

Assignment: Prepare Group Presentations

Day 2: March 22, 2003 "Virtual Field Trips and Content for the Classroom"

Meeting Location: SBC, 12851 Manchester Rd, Des Peres, MO 63131

Directions: 270 and Manchester, West side of 270, SBC Building on East Bound Manchester

Agenda:

- Group Presentations (via Video Conferencing Equipment)
- What are Virtual Field Trips – Best Practices
- Content Providers:
 - CSD – “New Links to New Learning”
 - SBC - Video Conference for Learning Directory
 - SBC - V.C. Adventures
 - Polycom - Content Providers List
 - Center for Interactive Learning and Collaboration
http://www.cilc.org/search_program.aspx
 - Tandberg - Connections Program
- Guest Speaker – Ruth Block and/or Martha Bogart, CSD
- Virtual Field Trip Video (student evaluation)

Assignment: Study for Distance Learning Vocabulary Exam

Reading: *Best Practices in Live Content Acquisition by Distance Learning Organizations, “Enhancing the Primary and Secondary School Classroom by Tapping Content Resources via Two-Way Interactive Video” – September 2003*

Day 3: March 29, 2003 "How it All Works – Technical Discussion"

Meeting Location: Tandberg Demo Center Westport Plaza Gold Building - 6th Floor Sheridan H.

Directions: 270 North, Page East, 1st Exit on Right, Right at Light Lackland, Right at Craig

Agenda:

- Distance Learning Vocabulary Exam
- Video Conferencing Technology Explored – How it Works
- IP vs. ISDN, Streaming Video via IP (other applications)
- Guest Speaker - Jim Goodyear, Tandberg
 - Tandberg Demo Executive Centers Explored
 - Audio Science Microphone, Place Mats, Touch Panel, Furniture
- Virtual Field Trip Video (student evaluation)

Assignment: Virtual Field Trip Curriculum Connections – (present via video)

Day 4: April 5, 2003 "Classroom Management for Distance Learning"

Meeting Location: CSD (Cooperating School Districts)

Directions: 270 North, Olive East, Craig Road North, CSD on the right

Agenda:

- Class discussions (via video) of VFT Curriculum Connections
- Classroom management discussion
- In Class Group Project - by grade levels (High School, Middle, and Elementary)
- Polycom and Tandberg equipment Comparisons – demo rooms
- Organizations, memberships, list serves, etc.
 - MODLA – MO Distance Learning Association
 - Video Conferencing in MO List Serves (MOREnet, CSD, MODLA)
- Guest Speaker – Executive Director of the MODLA or MOREnet's Eric Nicklas
- Virtual Field Trip Video (student evaluation)

Assignment: Compare and Contrast Polycom and Tandberg - (Educational Programming, Equipment, Website, Product Offering, Features, or specific

products)

Day 5: April 12, 2003

“Trouble Shooting, Collaboration, and Planning”

Meeting Location: Ladue High School Media Center

Directions: 270 North, 40 West, Clayton Road North _ mile, Ladue High School is on the Left

Agenda:

- Troubleshooting Tips
- In Class Group Project - Planning and Collaboration Strategies
- Guest Speaker - Rus Colbert – Polycom
- Guest Speaker - Vicki Allen – SBC Texas
- Virtual Field Trip Video (student evaluation)

Reading: *Access and Opportunity, “Policy Options for Interactive Video in K-12 Education” – August 2003*

Day 6: April 19, 2003

“Dual Credit Course and Higher Education Connections”

Meeting Location: Forest Park Community College

Directions: 270 North, 40 East, Hampton South, Left by Hardees East, School on Right

Agenda:

- Quiz over Reading
- In Class Group Project - Discussion on Other Uses for Video Conferencing
- Class Developed Final Presentation Rubric – Wall / Peer Style
- In class time to work on final projects
- Peer preparation using video equipment
- Guest Speaker – Jim Bilhorn, Tom Zoellner, Bill Goldph – Radvision
- Virtual Field Trip Video (student evaluation)

Assignment: Prepare Final Presentation

Day 7: April 26, 2003

“Audio Conferencing, Webcasting & Webconferencing”

Meeting Location: SBC, 12851 Manchester Rd, Des Peres, MO 63131

Directions: 270 and Manchester, West side of 270, SBC Building on East Bound Manchester

Agenda:

- Demo - 1800Confernece (Webcasting, and Audio and Web Conferencing)
- Locating distance learning grants, funding, and other web resources
- In class time to work on final projects
- Peer preparation using video equipment
- Guest Speaker – Cheron Thoenig
- Virtual Field Trip Video (student evaluation)

Assignment: Prepare Final Presentation

Day 8: May 3, 2003

“Final Projects Due – Presentations”

Meeting Location: SBC, 12851 Manchester Rd, Des Peres, MO 63131

Directions: 270 and Manchester, West side of 270, SBC Building on East Bound Manchester

Agenda:

- Final Project Due – (Diagram of Video Room, Equipment Required, Pricing)
- Final Project Presentations
 - Each student will present from a remote location to the rest of the class simulating teaching a distance learning course related to their respective subject area or grade level. Grading will be based on a class developed rubric.
- Course Evaluations

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.

Supplemental Readings:

1. **Access and Opportunity,**
"Policy Options for Interactive Video in K-12 Education" – August 2003

2. **Best Practices in Live Content Acquisition by Distance Learning Organizations,**
"Enhancing the Primary and Secondary School Classroom by Tapping Content Resources via Two-Way Interactive Video" – September 2003

Evaluations:

Type	Evaluation	Points	Percentage (%)	Due Date
Classroom Participation	Mandatory Attendance			
Presentation	Group Presentation	15 points	5 %	March 22, 2004
Exam	Video Conferencing Vocabulary Exam	30 points	10 %	March 29, 2004
Paper & Presentation	Virtual Field Trip Curriculum Connections	30 points	10 %	April 5, 2004
Paper	Compare & Contrast Polycom and Tandberg	15 points	5 %	April 12, 2004
Exam	Exam over Reading	30 points	10 %	April 29, 2004
Term Paper	Final Paper	60 points	20 %	May 3, 2004
Presentation	Final Presentation	120 points	40 %	May 3, 2004
Totals		300 points	100 %	

Final Project:

The final project for the course will have two parts (a paper and presentation):

The first will be a 10-15 minute presentation. Students will present to a mock school board over why district should help fund a video conferencing room or video equipment in their school. Students will use video conferencing technologies to make the presentation from a remote room to the rest of the class (who will act as the school board).

The second part of the final project will be a short (2-3 page) accompanying paper supporting the board presentation. Students should list the video components, why they are necessary for effective teaching, prices, room diagram, photos of room and equipment, schedule for how it would be used, location in your school, why it is needed, and more.

Final projects/papers will be returned to students in the following manner:

- Final Projects/Papers are due and presented in the last meeting period.

- Students should provide a self-addressed stamped envelope (appropriate size and postage) to the instructor so project/paper can be returned.
- NOTE: Papers will not be available for pick up from the School of Education Office.

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- This syllabus is subject to change at the discretion of the instructor