FRESNO PACIFIC
U N I V E R S I T Y

Independent Study Online Course Syllabus

Course Number: TEC 985

Course Title: Enhance Your Lessons Using Document Cameras

X Online   ☐ Distance Learning

Instructor: Dr. Glenn Williams and Linda Jacobsen	**Units:** 2
Phone and Fax number: 559-434-1142	**Grade Level:** K-12
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Course Description

Document cameras create new possibilities for presenting curriculum whether you are a teacher, principal, curriculum specialist or librarian. This course, Enhance Your Lessons with Document Cameras will provide dynamic ways to present lessons for the classroom. If you have a document camera, an LCD projector and an imagination, you are ready to start. Learn how to move beyond simply displaying images to a whole new way of enhancing visual learning experiences. This course provides over 160 ideas now being used by teachers in their classrooms. Students in this course will develop lessons that incorporate the creative use of visual media that support both their local learning goals and the Common Core Student Standards. Educators from the preschool level to the adult level will benefit tremendously from this course.

Course Dates:

Self-paced; students may enroll at any time and take up to one year to complete assignments.

You have up to one year from the date of registration, and no less than three weeks (one week per credit), to complete the course.

Technology Requirements

Please remember that the instructor is not able to offer technical support. In the event that you need technical support, please contact your technical support staff and Internet Service Provider.

Moodle:

> This course will be delivered totally online. Moodle is a learning management system that provides students access to online resources, documents, graded assignments, quizzes, discussion forums, etc. with an easy to learn and use interface. To learn more about Moodle go to: (http://docs.moodle.org/en/Student_tutorials). There are some student tutorials on the Center for Online Learning website at Fresno Pacific University – http://col.fresno.edu/student.

Moodle Site Login and passwords – (or other online course access information)

> Students will need to have internet access to log onto http://ce-connect.fresno.edu. The username and password numbers for Moodle access will be sent to you by the university using the email address you submitted at the time of registration. The instructor will then contact you with a welcome letter and login instructions. If you need help with the username and password recovery please contact the Center for Professional Development at (800)372-5505, or (559)453-2000 during regular office hours - Mon-Fri 8:00 am to
> 5:00 pm.

Getting Help with Moodle:

> If you need help with Moodle, please contact the Center for Online Learning (COL), + by telephone 1-559-453-3460. Help by phone is available Mon-Thurs 8:00 am to 8:00pm and on Fridays from 8:00 am to 5:00 pm, or by filling out a "Request Services" form at http://col.fresno.edu/contact/request-services. Please identify that you are with Continuing Education/Independent Studies department.

Primary Learning Objectives

Overall Learning Objective: Students will develop the skills needed to enhance lessons using a document camera. More specifically, students will be able to:

1. Use a new technology, document cameras, which makes both teaching and learning more dynamic, efficient, motivating, exciting, and fun. (I, IV)

2. Use critical thinking skills to determine the ways that document cameras support the needs of students with special learning needs. (I, III)

3. Identify, evaluate, and practice different methods of using a document camera for learning purposes. (I, II)

4. Create subject-centered lesson plans that meet specific subject matter standards and/or frameworks. (I, II)

5. Reflect on the effectiveness of using a document camera and how it can be used for future lessons. (II, V)

National Standards for Teachers

The projects contained in this course are closely aligned to the ISTE National Educational Technology Standards (NETS- for Teachers). Numbers in parentheses following each learning outcome above refer to the National Educational Technology Standards category to which the outcome is linked. The categories are:

I. Facilitate and Inspire Student Learning and Creativity

II. Design and Develop Digital-Age Learning Experiences and Assessments

III. Model Digital-Age Work and Learning

IV. Promote and Model Digital Citizenship and Responsibility

V. Engage in Professional Growth and Leadership

Evidence of Learning

1. Participants will demonstrate their understanding of how document cameras work and the historical context of how document cameras have improved visual content in the classroom.
2. Participants will demonstrate their understanding of how document cameras are being used by other educators by watching videos, reading articles and responding to online worksheets.
3. Participants will demonstrate their ability to use document cameras in different ways by taking pictures of different methods and creating a multimedia presentation.
4. Participants will demonstrate their understanding of integrating document cameras into a unit of study by developing a lesson plan, presenting their lesson and submitting a review to the course instructor.
5. Participants will create and reflect on a unit of study and project how they will use a document camera for future lessons.

Course Materials

Participants will have access to all course materials including: uploaded documents, online resources, and resources on Moodle. Students will use their own instructions and documentation that come with their document camera.

Course Requirements

To receive credit for this course, students must complete the following:

1. Students will articulate their current use of documents cameras and their learning goals for this class.

2. Students will demonstrate their understanding of what a document camera is through written responses, using online resources to obtain information. They will also include a discussion of what teachers have used in the past, and compare models of document cameras that are available.

3. Using online resources and their own current educational practices, students will articulate how document cameras can be used to enhance instruction.

4. Building upon the previous lesson on how document cameras improve instruction, students will use the online document *Ways to Use a Document Camera* to identity activities what would work in their classroom both by themselves and their students.

5. Students will adapt methods from the previous activity to create their hands-on demonstrations. Using a camera, they will take pictures to create a multimedia presentation of their four different methods and upload to the instructor.

6. Students will use a unit of study template to construct and deliver a unit of instruction that includes multiple uses of a document camera.

7. Student will reflect on the results of their lesson plan and discuss future unit of study ideas.

Schedule of Topics and Assignments

Participants will complete the assignments in the order they are listed in the course requirement section.

Grading Policies and Rubrics

The final grade is based on points accumulated from the six course projects as follows:

40-42 points = letter grade A

37-39 points = letter grade B

To earn a grade of "Credit" a minimum of 37 points must be earned. Course work falling short of 37 total points will not receive credit. The assignment of project points is at the discretion of the instructor based on the quality of each project submitted. The course projects are to be posted to Moodle. Assignments with questionnaires are submitted online. Be sure to keep a copy of your coursework in the event something gets lost.

Grading Rubric

The following rubric is used for assessing student work. All work needs to be at a professional educator level to receive full credit. This includes carefully considered answers that address the topic. All assignments will be completed using the FPU Moodle Forum and uploading documents to the course instructor using FPU Moodle.

Writing Format

The following assignments will use APA format.

> Improving Instruction Summary Assignment
>
> Reflection

● Margins 1''

● 12 point font Times New Roman or Ariel

● Double spaced

● Graduate level writing

Assignments	Advanced	Proficient	Below Proficient
About You **Forum** 4 point possible _____ earned points	Submitted biographical information clearly relates to each of the writing prompts. Responses are well thought out and complete	One element of the Advanced assignment is missing (3 point)	Student did not submit responses or is missing more than one element from the Advanced assignment. (0 points)

	(4 points)		
What is a Document Camera? 4 points possible _____ earned points	Student responds to the writing prompts. Responses are complete and well thought out. (4 points)	One of the elements is missing from the Advanced assignment. (3 points)	More than one of the elements is missing from the Advanced assignment. (0 points)
Document Camera Comparisons 4 points possible _____ earned points	Student completes Parts 1 and 2 of the assignment giving complete responses to the document camera's features and the online comparisons. (4 points)	One of the elements is missing from the Advanced assignment. (3 points)	More than one of the elements is missing from the Advanced assignment. (0 points)
Improving Instruction 4 points possible _____ earned points	Student completes the description of five methods that resonate for their classroom instruction. The descriptions are thoughtful and complete. (4 points)	One of the elements is missing from the Advanced assignment. (3 points)	More than one of the elements is missing from the Advanced assignment. (0 points)
Improving Instruction Summary 4 points possible _____ earned points	The summary paper is complete. The paper covers all topics with thoughtful and complete responses.	One of the elements from the Advanced assignment is missing. (3 points)	More than one of the elements from the Advanced assignment is missing. (0 points)

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	(4 points)		
Ways to Use a Document Camera Assignment 4 points possible _____ earned points	The student has completed the entire assignment including both the Teacher and Student columns. (4 points)	One of the elements from the Advanced assignment is missing. (3 points)	More than one of the elements from the Advanced assignment is missing. (0 points)
Lessons by Categories Assignment 4 points possible _____ earned points	The student finds at least one lesson example for each category. (4 points)	One lesson example for each category is missing. (3 points)	More than one lesson example for each category is missing. (0 points)
Methods Assignment 4 points possible _____ earned points	The student submits their own photos that demonstrate four different ways they might use a document camera. A description is included. (4 points)	The student submits their own photos that demonstrate less than four different ways they might use a document camera, or a description is missing in one of the examples (3 points)	The student submits their own photos that demonstrate less than four different ways they might use a document camera and/ or more than one description is missing. (0 points)
Lesson Plan Assignment 8 points possible _____ earned points	Submitted unit covers all topic areas, including a complete lesson plan, standard(s) addressed and the use of doc camera. The lesson is presented to students	One of the elements from the Advanced assignment is missing. (6 points)	More than one of the elements from the Advanced assignment is missing. (0 points)

	or for educators for review. (8 points)		
Course Reflection 4 points possible _____ earned points	Submitted reflection for the course addresses both writing prompts with thoughtful and complete responses. (4 points)	One of the elements from the advanced Assignment is missing. (3 points)	More than one of the elements from the advanced Assignment is missing. (0 points)
Student: **Total Earned Points** **Final Grade** A/credit = 42-44 points B/credit = 38-41 points		Enrollment Date: Due Date: Course Assignments Received Date:	**Instructor Comments**

Instructor/Student Contact

Instructor will communicate online with students through online office hours, discussion boards and email. Feedback on student assignments will be given through the Moodle grade book tool. If you have any questions regarding course assignments, please check the "Frequently Asked Questions" forum in the introductory module. If you don't find the answers there, please post your question, and the instructor will get back to you within 48 hours.

Online Resources

Document Camera

http://en.wikipedia.org/wiki/Document_camera

Document Camera Uses

http://www.proteacher.org/c/810_Document_Camera_Uses.html

Document Camera Enlarges Learning

http://seattletimes.com/html/businesstechnology/2003523083_ptgett13.html?syndication=rss

Lincoln Elementary School

http://www.samsungpresenterusa.com/board/success_stories_detail.asp?No=3

Lessons Plans Using a Document Camera

http://www.documentcameraexperts.com/LessonPlans.aspx

Lesson Observation: Student-Led Critique Discussion

http://www.youtube.com/watch?v=5Jeo79t9nkY

Are Document Cameras the Next Big Thing?

http://thejournal.com/Articles/2007/06/01/Are-Document-Cameras-the-Next-Big-Thing.aspx?Page=1

Document Cameras in the Classroom

http://tnttips.blogspot.com/2008/10/document-cameras-in-classroom.html

Educational Technology Network

http://www.edtechnetwork.com/document_cameras.html

Teaching Tips: Classroom Use of Elmo Document Cameras

http://ethemes.missouri.edu/themes/1582

Document Camera Case Study: Dysart Unified, Student point of view

http://www.youtube.com/watch?v=bNGKUlO0KnM&feature=related

Volcano Experiment

http://www.youtube.com/watch?v=jHvDAdWTGWo

SMART Document Camera

http://www.youtube.com/watch?v=mVlo1OhPi68

Lesson Observation: Student-Led Essay Critique Discussion

http://www.youtube.com/watch?v=5Jeo79t9nkY

Document Cameras for Elementary Classrooms

http://www.youtube.com/watch?v=ru3_gD9UCOo&feature=related

Final Course Grade and Transcripts

When all work for the course has been completed, students will need to logon to the Center for Professional Development website (http://ce.fresno.edu/cpd) to "Submit Grade Form". Once the instructor fills out the grade form online, students may log back in to request their Grade Report as well as order transcripts online. Please allow at least two weeks for the final grade to be posted. For more information see the Independent Studies Policies and Procedures that were sent to you when you received your course materials, or in your online course. They are available, also at http://ce.fresno.edu/cpd - under General Information > CPD Policies.

Plagiarism and Academic Honesty

All people participating in the educational process at Fresno Pacific University are expected to pursue honesty and integrity in all aspects of their academic work. Academic dishonesty, including plagiarism, will be handled according to the procedures set forth in the Fresno Pacific University Catalogue. URL http://www.fresno.edu.

CONTINUING EDUCATION PROGRAM STUDENT LEARNING OUTCOMES:

CE 1. Demonstrate proficient written communication by articulating a clear focus, synthesizing arguments, and utilizing standard formats in order to inform and persuade others, and present information applicable to targeted use.
CE 2. Demonstrate comprehension of content-specific knowledge and the ability to apply it in theoretical, personal, professional, or societal contexts.
CE 3. Reflect on their personal and professional growth and provide evidence of how such reflection is utilized to manage personal and professional improvement.
CE 4. Apply critical thinking competencies by generating probing questions, recognizing underlying assumptions, interpreting and evaluating relevant information, and applying their understandings to the professional setting.

CE 5. Reflect on values that inspire high standards of professional and ethical behavior as they pursue excellence in applying new learning to their chosen field.

CE 6. Identify information needed in order to fully understand a topic or task, organize that information, identify the best sources of information for a given enquiry, locate and critically evaluate sources, and accurately and effectively share that information.

FRESNO PACIFIC UNIVERSITY STUDENT LEARNING OUTCOMES

Student Learning Outcomes Oral Communication: Students will *exhibit* clear, engaging, and confident oral communication – in both individual and group settings – and will critically *evaluate* content and delivery components.

Written Communication: Students will *demonstrate* proficient written communication by *articulating* a clear focus, *synthesizing* arguments, and utilizing standard formats in order to *inform* and *persuade* others.

Content Knowledge: Students will *demonstrate* comprehension of content-specific knowledge and the ability to apply it in theoretical, personal, professional, or societal contexts.

Reflection: Students will *reflect* on their personal and professional growth and *provide evidence* of how such reflection is utilized to manage personal and vocational improvement.

Critical Thinking: Students will *apply* critical thinking competencies by *generating* probing questions, *recognizing* underlying assumptions, *interpreting* and *evaluating* relevant information, and *applying* their understandings to new situations.

Moral Reasoning: Students will *identify* and *apply* moral reasoning and ethical decision-making skills, and *articulate* the norms and principles underlying a Christian world-view.

Service: Students will *demonstrate* service and reconciliation as a way of leadership.

Cultural and Global Perspective: Students will *identify* personal, cultural, and global perspectives and will employ these perspectives to *evaluate* complex systems.

Quantitative Reasoning: Students will accurately *compute* calculations and symbolic operations and *explain* their use in a field of study.

Information Literacy: Students will *identify* information needed in order to fully understand a topic or task, *explain* how that information is organized, *identify* the best sources of information for a given enquiry, *locate* and critically *evaluate* sources, and accurately and effectively *share* that information.