TEC-960: Internet: Classroom on Wire

Independent Study Online Course Syllabus

Instructor: Linda Jacobsen	**Number of Graduate Semester Units:** 3 units
Phone: (559) 907-2494	**Target Audience:** K - 12th grade teachers
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Course Description

Internet: Classroom on Wire is the perfect course for any teacher, technology coordinator, principal, or librarian who wants to use the Internet to enhance their classroom lessons and units. This hands-on course is designed for educators who already know how to navigate the Internet and now want to put this knowledge to some practical use. Included are popular links to resources and activities for all grade levels. Some resources and lesson ideas come directly from teachers, while others come from larger sites such as News for Kids, Discovery Channel, Google Earth, and YouTube. Along with the provided links, educators are guided to make discoveries. Whether you are working with kindergartners or seniors in high school, participants will come away with new inspirations. There is also the bonus of learning apps that will enhance their productivity. This course supports educational standards. Access to students is optional to complete this course.

Required Texts and Course Materials

Book: This course requires students to select a book that is grade-level appropriate and has supporting online resources.

Course Materials: Relevant online resources that support the course content and encourage further investigation will be available throughout the course assignments. Active hyperlinks are utilized throughout the course, and links to the appropriate information are provided when clicked. These include videos, podcasts, worksheets, online activities, journal articles, and other resources.

Online Resources: Relevant online resources that support the course content and encourage further investigation will be available throughout the course assignments. Active hyperlinks are utilized throughout the course, and links to the appropriate information are provided when clicked. These include videos, podcasts, worksheets, online activities, journal articles, and other resources.

Course Dates

Self-paced; students may enroll at any time and take up to one year, from the date of registration, to complete assignments. Students may complete assignments in no less than three weeks for a 3-unit course (one week per unit).

National Standards Addressed in This Course

International Society for Technology in Education (ISTE) and National Educational Technology Standards (NETS)

National Board for Professional Teaching Standards (NBPTS)
(http://www.nbpts.org/standards-five-core-propositions/)

First published in 1989 and updated in 2016, *What Teachers Should Know and Be Able to Do* articulates the National Board's Five Core Propositions for teaching. The Five Core Propositions - comparable to medicine's Hippocratic Oath — set forth the profession's vision for accomplished teaching. Together, the propositions form the basis of all National Board Standards and the foundation for National Board Certification. Course assignments have been designed so students can demonstrate excellence against these professional teaching standards whenever possible.

- Proposition 1: Teachers are committed to students and their learning
- Proposition 2: Teachers know the subject they teach and how to teach those subjects to students
- Proposition 3: Teachers are responsible for managing and monitoring student learning
- Proposition 4: Teachers think systematically about their practice and learn from experience
- Proposition 5: Teachers are members of learning communities

National Educational Technology Standards (NETS)

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

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.

Student Learning Outcomes (SLOs) for This Course

Student Learning Outcomes for This Course By the end of this course student will be able to:	National Standards Addressed in This Course*	Continuing Education Program Student Learning Outcomes Addressed**
1. Demonstrate their ability to be able to navigate on the Internet and find various Internet sites.	NBPTS 4	CE 1, 2, 6
2. Expand their understanding of how to use the Internet in their classroom by exploring and reporting on how they use the Internet to support student-centered standards-based units of study	NBPTS 1, 2, 5	CE 1, 2, 4, 6
3. Demonstrate their ability to integrate the Internet into their curriculum by creating, conducting, and reporting on student-centered web sites that addresses national, state, local and ISTE NETS student standards.	NBPTS 1, 2, 3, 5	CE 1, 2, 4
4. Demonstrate their understanding of the logistical and social needs of their students when using the Internet through their lesson plan(s).	NBPTS 2, 3, 4	CE 1, 3, 4, 5, 6
5. Identify sites that are good sites to support the curriculum in their classroom.	NBPTS 2, 3	CE 1, 2, 6

* Please refer to the section on **National Standards Addressed in This Course**
** Please refer to the section on **Continuing Education Program Student Learning Outcomes**

Topics, Assignments, and Activities

Module Title	Module Assignments and Activities	Points Possible
Welcome Module	• Welcome Video • Course Syllabus • Introduce Yourself Forum	
Module 1: Getting Started	• Forum: Getting to Know You • Internet Basic Skills and Safety Tips • Course information on YouTube tutorials and	

Module Title	Module Assignments and Activities	Points Possible
	submitting assignments. • Online research on Mobile Device • Advanced searches • Browsing with AI • 1.1 Assignment: Browsing Skills Checklist	10 pts
Module 2: Reading and Resources	• Study articles on the importance of technology in the classroom. • Select a book, read, review, and apply for classroom use. • 2.1: Assignment: The Importance of Technology in the Classroom • 2.2 Assignment: Online Books	10 pts 10 pts
Module 3: Math Resources and Activities	• Review selected mathematics resource sites. • Conduct research for additional mathematics resources. • 3.1 Assignment: Math Resources • 3.2 Assignment: Real-World Math	10 pts 10 pts
Module 4: Science Resources and Activities	• Review selected science resource sites • Conduct research for additional science resources • Explore STEM climate resources • 4.1 Assignment: Science Resources and Activities	10 pts
Module 5: Adding Media	• Explore resources including media to use in lessons • Explore graphics and sounds resources • Learn ways YouTube supports lessons • 5.1 Assignment: Using Media	10 pts
Module 6: News and Current Events	• Explore news and current event sites for students • 6.1 Assignment: News and Current Events	10 pts
Module 7: Google Maps and Earth	• Learn the basics of how to use Google • Research ways educators are using the apps in the classroom • 7.1 Assignment: Project Ideas Using Google Maps and Google Earth	10 pts
Module 8: Fun and Favorites	• Explore online to find engaging resources • 8.1 Assignment: Fun and Favorites	10 pts
Module 9: Reflect and Share	• 9.1 Forum Assignment: Sharing a Favorite • 9.2 Assignment: Course Reflection	10 pts 10 pts
Course Wrap-up – Grading and Evaluation	• Final Reflection Forum • Course Evaluation • Course Completion Checklist • Grade Request / Transcript Request	
	TOTAL POINTS	**120 points**

Grading Policies, Rubrics, and Requirements for Assignments

Grading Policies
- Assignments will be graded per criteria presented in the course rubrics.
- A = 90-100% and B = 80-89%, (anything below 80% will not receive credit.)
- The discernment between an A or a B letter grade is at the discretion of the instructor based on the quality of work submitted (see course rubrics).
- Coursework falling below a B grade will be returned with further instructions.
- All assignments must be completed to receive a grade and are expected to reflect the quality that teacher-training institutions require of professional educators. If completed assignments do not meet this standard, students will be notified with further instructions from the instructor.

Grading Rubrics

Grade	Percent	Description	Rubric
A	90-100%	Excellent	Meets all course / assignment requirements with significant evidence of subject mastery and demonstration of excellent graduate level professional development scholarship.
B	80-89%	Very Good	Adequately meets criteria for all course/assignment requirements - demonstrates subject competency with very good graduate level professional development scholarship.
NC	Below 80%	Unacceptable	Does not meet the minimum criteria for all course/assignment requirements and demonstrated little, if any, evidence of acceptable graduate level professional development scholarship.

Writing Requirements
- **Superior:** Writing is clear, succinct, and reflects graduate level expectations. Clearly addresses all parts of the writing task. Maintains a consistent point of view and organizational structure. Includes relevant facts, details, and explanations.
- **Standard:** Writing is acceptable with very few mistakes in grammar and spelling. Addresses most parts of the writing task. Maintains a mostly consistent point of view and organizational structure. Includes mostly relevant facts, details, and explanations.
- **Sub-standard:** Writing contains noticeable mistakes in grammar and spelling. Does not address all parts of the writing task. Lacks a consistent point of view and organizational structure. May include marginally relevant facts, details, and explanations.

Lesson Plan Requirements
- **Superior:** Instructional goals and objectives clearly stated. Instructional strategies appropriate for learning outcome(s). Method for assessing student learning and evaluating instruction is clearly delineated and authentic. All materials necessary for student and teacher to complete lesson clearly listed.
- **Standard:** Instructional goals and objectives are stated but are not easy to understand. Some instructional strategies are appropriate for learning outcome(s). Method for assessing student learning and evaluating instruction is present. Most materials necessary for student and teacher to complete lesson are listed.
- **Sub-standard:** Instructional goals and objectives are not stated. Learners cannot tell what is expected of them. Instructional strategies are missing or strategies used are inappropriate.

Method for assessing student learning and evaluating instruction is missing. Materials necessary for student and teacher to complete lesson are missing.

Instructor/Student Contact Information

Throughout the course participants will be communicating with the instructor and their classmates on a regular basis using asynchronous discussion forums. Students are provided with instructor contact information in the event they want to make email or phone contact. In addition, students are encouraged to email or phone the instructor at any time. Students will also receive feedback on the required assignments as they are submitted.

Forums

Participation is an important expectation of this course and all online courses. Online discussions promote reflection and analysis while allowing students to appreciate and evaluate positions that others express. While students may not be engaging with the same students throughout this course, they will be expected to offer comments, questions, and replies to the discussion question whenever possible. The faculty role in the discussion forum is that of an observer and facilitator.

Coursework Hours

Based on the Carnegie Unit standard, a unit of graduate credit measures academic credit based on the number of hours the student is engaged in learning. This includes all time spent on the course: reading the textbook, watching videos, listening to audio lessons, researching topics, writing papers, creating projects, developing lesson plans, posting to discussion boards, etc. Coursework offered for FPU Continuing Education graduate credit adheres to 45 hours per semester unit for the 900-level courses. Therefore, a student will spend approximately 135 hours on a typical 3-unit course.

Services for Students with Disabilities

Students with disabilities are eligible for reasonable accommodations in their academic work in all classes. In order to receive assistance, the student with a disability must provide the Academic Support Center with documentation, which describes the specific disability. The documentation must be from a qualified professional in the area of the disability (i.e. psychologist, physician or educational diagnostician). Once documentation is on file, arrangements for reasonable accommodations can be made. For more information and for downloadable forms, please go to https://www.fresno.edu/departments/disability-access-education.

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 per the procedures set forth in the Fresno Pacific University Catalogue and Handbook - https://handbook.fresno.edu/graduate/academic-policies

Technology Requirements

To successfully complete the course requirements, course participants will need Internet access, can send and receive email, know how to manage simple files in a word processing program, and

have a basic understanding of the Internet. Please remember that the instructor is not able to offer technical support. If you need technical support, please contact your Internet Service Provider.

Getting Help with Canvas: If you need help with Canvas, please contact the FPU Help Desk by phone: (559) 453-3410 or email: helpdesk@fresno.edu. Help is available Mon-Fri 8:00 am to 7:00 pm.

Final Course Grade and Transcripts

When all work for the course has been completed, students will need to logon to the Continuing Education website (https://ce.fresno.edu/my-account) and "Request Final Grade". Once the instructor receives the requests and submits the grade online, students may log back in to view their Final Grade Report or order transcripts online. Please allow at least two weeks for the final grade to be posted. For more information, see the Continuing Education Policies and Procedures at https://ce.fresno.edu/ce-policies-and-procedures.

University Policies and Procedures

Students are responsible for becoming familiar with the information presented in the Academic Catalog and for knowing and observing all policies and procedures related to their participation in the university community. A summary of university policies may be found on the university website at https://www.fresno.edu/departments/registrars-office/academic-catalogs.

Fresno Pacific University Student Learning Outcomes (FPU-SLO)

FPU-SLO 1	**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.
FPU-SLO 2	**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.
FPU-SLO 3	**Content Knowledge:** Students will *demonstrate* comprehension of content-specific knowledge and the ability to apply it in theoretical, personal, professional, or societal contexts.
FPU-SLO 4	**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.
FPU-SLO 5	**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.
FPU-SLO 6	**Moral Reasoning:** Students will *identify* and *apply* moral reasoning and ethical decision-making skills, and *articulate* the norms and principles underlying a Christian worldview.
FPU-SLO 7	**Service**: Students will *demonstrate* service and reconciliation as a way of leadership.
FPU-SLO 8	**Cultural and Global Perspective:** Students will *identify* personal, cultural, and global perspectives and will employ these perspectives to *evaluate* complex systems.

FPU-SLO 9	**Quantitative Reasoning**: Students will accurately *compute* calculations and symbolic operations and *explain* their use in a field of study.
FPU-SLO 10	**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.