

University of Alaska Fairbanks
School of Education
Proposed Course Syllabus EDSC 642 (stacked 442)

EDSC 642
Technology Applications in Education I
1 credit
Fall 2013

Location: Old University Park Elementary School, Computer Lab

Meeting Time: Tuesday, 5:00 -6:00 pm
Dates TBA

Instructor Info: Don Peterson
email: dpeterson@alaska.edu
Office Hours: Tues, Thurs 10 am – 1 pm

Course Description:

The course focuses on educational technology and applications as a resource for the delivery of instruction to enhance student learning. The course is designed for participants who will use technology tools to create and implement instructional material in a variety of media to support and assess learning, including distance educational media and methods, and to provide tools to enhance professional productivity, collaboration and communication. Participants will create a professional electronic portfolio that demonstrates professional development and achievement relative to the ISTE National Technology Standards for Students and Teachers, Alaska Education Standards and integrated with Standards for Culturally Responsive Schools. Students will begin the process of developing the required electronic portfolio based on the eight Alaska Teacher Standards which will be completed in EDSC 643. Prerequisite, admission to the Internship Year.

Course Goals and Student Learner Outcomes:

The goal of this course is to introduce participants to educational technology strategies and resources to deliver, enhance and assess learning.

- Participants will be able to implement at an initial level, technology tools to assist in instruction.
- Participants will set up a media-rich electronic portfolio utilizing Live Text.
- Participants will consider their places as instructional facilitators in technology rich classroom classrooms

Instruction Methods:

Instruction methods used in this course include lecture, small group discussion and application of instructional technology, Elluminate, LiveText and reflective writing.

Student Resources Course Materials:

Participants will need a laptop computer with wireless capability and a LiveText account. (Student membership is \$99.) No course texts will be required as the majority of resources will be found online.

Software to complete assignments is available as system applications, available on the UAF Key Server or available for free from various Internet sources. For example, photo manipulation can be completed with iPhoto and Preview on Apple computers and a host of no cost cross-platform on-line resources (Picasa, SumoPaint, Aviary, etc.)

Disability Statement:

The University of Alaska Fairbanks is committed to equal opportunity for students with disabilities. Reasonable accommodation to students with disabilities will be arranged through the Office of Disabilities Services (208 Whitaker Bldg, 474-5655).

Attendance Policy:

Attendance is an essential requirement of this course and is the responsibility of the student. Class begins promptly and students are expected to be present at the beginning and at the end of each class session to receive full credit for attendance. Students are responsible for all class work and assignments. Inform the instructor if you have to be absent.

Academic Integrity:

High ethical Standards are essential for maintaining credibility. Every course at UAF seeks to maintain these standards, starting with an emphasis on producing original and factual work. Students who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University.

Scholastic dishonesty includes but is not limited to cheating, plagiarism collusion and submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations).

Student Support Services:

For assistance, tutoring services and other student support resources please visit the website <http://www.uaf.edu/catalog/current/academics/regs1.html>.

Required Readings/Texts/Software

The readings for this course are meant to be as current as possible. Therefore instead of a text book we will utilize research based Journal articles. This allows us to review and analyze some of the most current research regarding our work. These articles are available through the UAF Rasmuson Library or you may email me for the pdf versions of the readings.

Required Readings:

Ayan, D., & Seferoğlu, G. (2011). Using electronic portfolios to promote reflective thinking in language teacher education. *Educational Studies (03055698)*, 37(5), 513-521. doi:10.1080/03055698.2010.539782

Torras, M. Eulalia, and Rosa Mayordomo. 2011. "Teaching presence and regulation in an electronic portfolio." *Computers In Human Behavior* 27, no. 6: 2284-2291

Campbell, T., Shaing Kwei, W., Hui-Yin, H., Duffy, A., & Wolf, P. (2010). Learning with web tools, simulations, and other technologies in science classrooms. *Journal of Science Education & Technology*, 19(5), 505-511. doi:10.1007/s10956-010-9217-8.

Grading:

Grading follows UAF academic regulations which can be found at <http://www.uaf.edu/catalog/current/academics/regs1.html>

Grade	%
A	100-90
B	89-80
C	79-70
D	69-60

Assignments:

Assignment	Description	Due Date									
1 (10%)	Create an electronic portfolio utilizing LiveText . Post an appropriate photo and create an introduction. Submit the portfolio to the instructor for review.										
2 (15%)	Manipulate 3 photos (may be the same photo or different photos) for print, monitor display and web publication. Create an online photo album (Flickr, Picasa, etc.) with a specific theme (this is my classroom, here's a class project we did, here's my community, etc.). Paste the album URL into your portfolio and send for review. Paste the album URL onto the Google doc provided.										
3 (15%)	View "Denali One-to-One" or read the blog "One Transformed Classroom." Be prepared to discuss the content during the second class meeting. Assume you are entering a classroom in which each student has a laptop or tablet. Write a paper describing three potential opportunities and three potential challenges and how you would deal with each.										
4 (30%)	Research the use of educational technology in one or more settings in Alaska and/or other states. Develop an on-line presentation of your research viewable by peers.										
5 (30%)	Post four of the following five class assignments and write a reflection for each. Submit the portfolio to the instructor and your UAF supervisor for feedback. <table border="1"> <tr> <th>Assignment</th><th>Class</th><th>AK Standard</th></tr> <tr> <td>SPED Case Study</td><td>EDSC 471</td><td>Two</td></tr> <tr> <td>Differentiated Lesson</td><td>Content Methods</td><td>Two</td></tr> </table>	Assignment	Class	AK Standard	SPED Case Study	EDSC 471	Two	Differentiated Lesson	Content Methods	Two	
Assignment	Class	AK Standard									
SPED Case Study	EDSC 471	Two									
Differentiated Lesson	Content Methods	Two									

	Place-Based Lesson	EDSC 402	Three	
	Comprehensive Management Plan	EDSC 458/658	Six	
	Education Research Paper	Content Methods	Eight	

Additional information, resources and rubrics can be found at:

<https://sites.google.com/a/alaska.edu/dtpeterson/home>

EDSC 642 Calendar, Fall 2013

9/10

Introductions

Course syllabus

Create LiveText account

Develop skeleton of electronic portfolio

Send portfolio to instructor for review

Homework: Study photography terms and concepts as noted on the class web site

9/17

Discuss camera attributes (ISO, aperture, shutter speed, etc.)

Discuss photography terms and concepts

Examine graphic editing software

Homework: Create six well composed photographs

9/24

Discuss web hosting of images

Use graphic editing software to adjust photos

Create photo formats for a variety of purposes

Homework: Develop a web album

10/1

View web albums

Examine/solve problems associated with the albums

Homework: Read Ayan & Seferoglu article: Using Electronic Portfolios to Promote Reflective Thinking.

10/8

Discuss above article

Continue exploring graphic editing software

10/15

Peer review of current electronic portfolios

Read Torras and Mayordomo article: Teaching Presence and Regulation in an Electronic Portfolio

10/22

Discuss above article

Homework: View "Denali One-to-One" or read the blog "One Transformed Classroom"

10/29

Discuss "Denali One-to-One" or "One Transformed Classroom"

Homework: 1. Address three possibilities and three potential problems of a one-to-one setting; 2. Research the use of educational technology in one or more settings

11/5

Continue discussion of "Denali One-to-One and "One Transformed Classroom"

Discuss student reactions to potential possibilities and problems of a one-to-one setting

Discuss findings of the research above.

Homework: Develop an on-line presentation of the above research

11/12

Begin posting assignments on the electronic portfolio

Discuss the on-line presentations developed above

Discuss correct formatting of documents and graphics

11/19

Continue posting assignments on electronic portfolio

Discuss attributes of Student Selection sections and reflections on electronic portfolio

11/26

Final assignment posting as outlined in Assignment 4

12/3

Peer review of electronic portfolio

12/10

Send electronic portfolio to instructor for final review