

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

**EDSC 442 Technology Applications in Education I**  
1 credit  
Fall 2013

Location: Old University Park Elementary School, Computer Lab

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

Instructor Info: Don Peterson  
email: [dtpeterson@alaska.edu](mailto:dtpeterson@alaska.edu)  
Office Hours: Tues, Thurs 10 am – 1 pm

**Course Description:**

The course focuses on initial instruction in educational technology and applications as a resource for the delivery of instruction to enhance student learning. The course is designed to introduce participants to technology tools to create and implement and assess instructional material in a variety of media. Participants will set up 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 443. 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

## **Disability Services**

The UAF Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures

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

**Grading:**

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<http://www.uaf.edu/catalog/current/academics/regs1.html>

” f † ‡	%
A	100-90
B	89-80
C	79-70
D	69-60

**Assignments:**

Assignment	Description
1 (15%)	Create an electronic portfolio utilizing LiveText. Post an appropriate photo and create an introduction. Submit the portfolio to the instructor for review.
2 (25%)	<p>Manipulate 3 photos (may be the same photo or different photos) for print, monitor display and web publication.</p> <p>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.).</p> <p>Paste the album URL into your portfolio and send for review. Paste the album</p>
3 (30%)	<p>View "Denali One-to-One" or read the blog "One Transformed Classroom." Be prepared to discuss the content during the second class meeting.</p> <p>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.</p>
4 (30%)	Post three of the following five assignments for other secondary program classes and write reflections. Submit the portfolio to the instructor and your UAF supervisor for feedback.

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

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

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

11/12

Begin posting assignments on the electronic portfolio  
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