

## **C&I Culminating Experience for Master's in Educational Technology Electronic Portfolio**

### **Goals**

- Establish a clear, summative assessment of student learning, with explicit criteria for satisfactory performance.
- Provide students with an interesting and valuable assessment for learning, with opportunities for reflection, feedback, and discussion.

### **Requirements**

- Submit an electronic portfolio that meets criteria detailed below.
- Present your electronic portfolio to classmates and faculty during scheduled showcase

### **Electronic Portfolio**

For the e-portfolio you will write an essay about your professional philosophy and identify a minimum of five different artifacts that meet specified criteria pertaining to research, and content and pedagogy. Each artifact will be accompanied by reflections on the topic. In addition, a reflection will be required for a third area—professional standards. Templates will be provided, though you are encouraged to personalize portfolios as you wish.

*The portfolio will be summative, but not comprehensive (i.e., it will not attempt to address all of the ISTE Leadership Standards encountered in the program.) The suggested length for the reflections is approximately 300-600 words.*

### **Essay**

Discuss your professional philosophy pertaining to teaching, learning, and technology. Include in your essay a discussion of a minimum of two learning theories addressed in the master's program that may have influenced your philosophy along with references to research and scholarly literature that support your current views. Also, describe your efforts to implement your vision for using technology with students or other educators. Finally, reflect on what you see as your "next steps" for enhancing teaching and learning with technology.

*Your essay should include a minimum of 5 different references to research or scholarly literature. It should include appropriate detail and be approximately 1000-1500 words.*

### **Research**

These artifacts and reflections should address your ability to evaluate and conduct research, and effectively communicate processes, implications and results.

1. Select an artifact that illustrates your ability to analyze research that you've read and evaluated.

*Reflection:* In reflecting upon the artifact that you've selected, what do you see as some key issues that educators, political leaders, and the public at large should understand about educational technology and both the promise and challenge of documenting its impact on student learning.

2. Select an artifact that illustrates your ability to conduct research and effectively communicate processes, implications and results.

*Reflection:* In this program you've conducted action research to explore the theory and practice of technology and educational change. Briefly describe how you conducted your study, its outcomes, and how it may have influenced your views. If you were to do a similar project in the future, what, if anything, might you do differently?

### **Content and Pedagogy**

These artifacts and reflections should address your knowledge and understanding of content and related pedagogy in three areas: Technical Concepts and Skills, and Instructional Design, and Technology Integration.

#### 1. Technical Concepts and Skills

Select one or two artifacts that illustrate your mastery of technical concepts and skills.

*Reflection:* Reflect on your learning in creating the selected artifact(s). Discuss the challenges that you faced, the strategies that you used, and the outcomes that you achieved.

#### 2. Instructional Design

Select an artifact that represents your best effort to design educational material.

*Reflection:* In Chapter 7 of Donald Norman's book, *The Design of Everyday Things*, he discusses seven principles for simplifying difficult tasks: using both knowledge in the head and knowledge in the world; simplifying the structure of the tasks; making appropriate aspects of the task visible; appropriate mappings; using the power of constraints; designing for errors; and standardization. Select one or more of these principles that is evident in the artifact you chose and discuss the effect of the principle(s) on the instructional design.

#### 3. Technology Integration

Select one or two artifacts that illustrate your ability to plan, design, and implement learning activities that engage students (or teachers) in learning with technology. One artifact needs to have been implemented with its target audience.

*Reflection:* Reflecting on the artifact(s) that you've selected, discuss how your efforts to integrate technology have sought to provide students with enhanced learning opportunities. Include in your discussion the actual outcomes achieved when implementing one of the products with its target audience. What do you see as the key ingredients to making this all work?

### **Professional Standards Reflection**

This reflection should focus on your knowledge and understanding of the ISTE Technology Leadership Standards and how they were addressed in the program. Read through the [ISTE Standards for Technology Leadership](http://www.iste.org/Content/NavigationMenu/NETS/ForTechnologyFacilitatorsandLeaders/Technology_Leadership_Standards.htm) ([http://www.iste.org/Content/NavigationMenu/NETS/ForTechnologyFacilitatorsandLeaders/Technology\\_Leadership\\_Standards.htm](http://www.iste.org/Content/NavigationMenu/NETS/ForTechnologyFacilitatorsandLeaders/Technology_Leadership_Standards.htm)) and addresses the following:

*Reflection:*

- a. Which two standards do you believe to be the most critical for technology leaders to address in their professional preparation? Did your experiences in UNLV's Educational Technology Master's program prepare you to meet the standards? Tell why or why not.
  
- b. In reviewing the ISTE Leadership Standards, are there some areas in which you don't feel well prepared? Based on this, what suggestions might you have for improving the professional preparation for future students in the program?

**Additional Evidence (optional)**

Is there any additional evidence of your learning in the program that you'd like to share? Describe that work along with up to one or two additional artifacts that you might like to include.

**Compiled Narrative**

Please include one document that consists of all of the required writing (i.e., the essay and reflections), listed sequentially. This document should be single spaced and neatly formatted, with each section clearly labeled.

**Evaluation rubrics** for the essay and the electronic portfolio can be downloaded at:  
<http://coe.nevada.edu/nstrudler/CERubrics.pdf>

Send URL for your portfolio to [strudler@unlv.nevada.edu](mailto:strudler@unlv.nevada.edu). If you need an account on the COE server, one can be set up for you.