



# Designs for Technology-Enhanced Learning (Secondary)

**Fall 2012**

**Instructor:**

Mark Hofer, Ph.D | [mjhofe@wm.edu](mailto:mjhofe@wm.edu) | [markhofer.net](http://markhofer.net)  
SOE 3108 | 757.221.1713  
Office hours by appointment

**Class Meetings:**

CRIN S07-01/EDUC 305-02 - **Tuesdays:** 10:00am - 11:40am, SOE 2016  
CRIN S07-02/EDUC 305-03 - **Wednesdays:** 10:00am - 11:40am, SOE 2016

**Course Web site:**

<http://designs.wmwikis.net>

**Course Description:**

An introduction to computer-based and networked educational technologies, emphasizing instructional designs for their curriculum-based uses in teaching and learning.

**Course Objectives:**

Students will:

1. learn how to access and use a variety of computer- and Web-based educational technology tools and resources.
2. learn how to plan curriculum standards-based, technology-enhanced learning activities for diverse secondary students.
3. further their understanding of and reflection upon the School of Education's teaching competencies by developing a Web-based professional portfolio structure.
4. participate in meaningful online communication within and outside of an electronic learning community.
5. increase their awareness and comprehension of copyright and acceptable use issues and policies.
6. prepare to use educational technologies independently and on an ongoing basis to support and enhance elementary or secondary instruction.
7. document their work to satisfy the National Educational Technology Standards for Teachers (NETS-T) and the Virginia Technology Standards for Instructional Personnel (TSIP).

## Assignments:

### Ongoing:

- **Class readings** - Read and think about what's listed for each class session well BEFORE arriving for the class session.
- **Active in-class participation** - Attendance at every class session is expected; there is much that will happen that cannot be "made up." If you absolutely must miss a class, please arrange with a classmate beforehand to pick up handouts and take careful notes for you. Excessive tardiness and/or absences will be reflected in the final grade.

### One-time: (Specific instructions for each one-time assignment will be distributed separately)

- School Tech Audit - 20 points
- Content Tool Collection - 40 points
- Virtual Exhibit Sample - 40 points
- Technology Management Plan - 20 points
- Technology Integration Lesson Plan - 60 points
- eFolio - 20 points
- Engage Me or Enrage Me PSA - 40 points (graduate students only)

→ *All assignments must be completed and submitted by the dates specified.*

→ *In cases in which extensions are necessary, they will be negotiated between student and instructor in advance of due dates whenever possible.*

→ *No extensions or redos will be permitted for assignments due after classes end without a course grade of "I" being reported.*

## Grading:

The grading structure of this course is arranged according to a point structure. You earn points for each component or requirement of the class that you meet, and your final grade is determined by calculating the percentage of the total possible points that you have earned. The grade of "I" ("incomplete") will be assigned only in emergency circumstances, such as serious illness. Academic dishonesty (presenting anyone else's work as one's own) in any form will be considered to be an infraction of the William & Mary Honor Code, and will result in a grade of "F" for the course. Active participation in the course (attendance and participation in course discussions and activities) is expected. Multiple absences and/or lack of participation in class may result in lowering a course grade by one letter grade.

## Grading Scale:

Percent of Points Earned	Grade
94-100%	A
90-93%	A-
87-89%	B+
83-86%	B
80-82%	B-
77-79%	C+
73-76%	C
70-72%	C-
67-69%	D+
63-66%	D
60-62%	D-
59 or below	F

## Course Evaluation:

Evaluation data will be requested from students both during the course and at its conclusion. These suggestions/reflections/questions will be considered for catalyzing change in future teaching/learning activity. *All feedback is strongly encouraged.*

## **Sustainability:**

In an effort to limit unnecessary paper use in the course, the syllabus, assignment descriptions, readings, and resource materials will be posted for you to read online. If you must print out readings, please consider printing two pages per sheet and/or double-sided. Additionally, all course assignments will be turned in electronically.

## **Technology Standards:**

This course is designed to assist students in meeting both national (ISTE) and state (TSIP) standards in technology. The standards can be found below:

### **International Society for Technology in Education (ISTE) National Educational Technology Standards for Teachers (NETS-T)**

#### **1 Facilitate and Inspire Student Learning and Creativity**

Teachers use their knowledge of subject matter, teaching and learning, and technology to facilitate experiences that advance student learning, creativity, and innovation in both face-to-face and virtual environments.

#### **2. Design and Develop Digital-Age Learning Experiences and Assessments**

Teachers design, develop, and evaluate authentic learning experiences and assessment incorporating contemporary tools and resources to maximize content learning in context and to develop the knowledge, skills, and attitudes identified in the NETS•S.

#### **3. Model Digital-Age Work and Learning**

Teachers exhibit knowledge, skills, and work processes representative of an innovative professional in a global and digital society.

#### **4. Promote and Model Digital Citizenship and Responsibility**

Teachers understand local and global societal issues and responsibilities in an evolving digital culture and exhibit legal and ethical behavior in their professional practices.

#### **5. Engage in Professional Growth and Leadership**

Teachers continuously improve their professional practice, model lifelong learning, and exhibit leadership in their school and professional community by promoting and demonstrating the effective use of digital tools and resources.

(Source: [http://www.iste.org/Content/NavigationMenu/NETS/ForTeachers/2008Standards/NETS\\_for\\_Teachers\\_2008.htm](http://www.iste.org/Content/NavigationMenu/NETS/ForTeachers/2008Standards/NETS_for_Teachers_2008.htm))

### **Virginia Technology Standards for Instructional Personnel (TSIP)**

- A. Instructional personnel shall be able to demonstrate effective use of a computer system and utilize computer software.
- B. Instructional personnel shall be able to apply knowledge of terms associated with educational computing and technology.
- C. Instructional personnel shall be able to apply computer productivity tools for professional use.
- D. Instructional personnel shall be able to use electronic technologies to access and exchange information.
- E. Instructional personnel shall be able to identify, locate, evaluate, and use appropriate instructional hardware and software to support Virginia's Standards of Learning and other instructional objectives.
- F. Instructional personnel shall be able to use educational technologies for data collection, information management, problem solving, decision making, communication, and presentation within the curriculum.
- G. Instructional personnel shall be able to plan and implement lessons and strategies that integrate technology to meet the diverse needs of learners in a variety of educational settings. Instructional personnel shall demonstrate knowledge of ethical and legal issues relating to the use of technology.

(Source: <http://141.104.22.210/VDOE/Compliance/TeacherED/tech.html>)

## Tentative Topic & Assignment Schedule:

(course topics, readings, and assignments may be added, removed or modified during the course of the semester)

### TUESDAY SECTION:

<b>Date</b>	<b>Activity</b>	<b>Due</b>
9/4/12	Course introduction, begin development of eFolio (ISTE NETS-T 3)	Profile on Wiki
9/11/12	Introduction to Universal Design for Learning (UDL) (ISTE NETS-T 4)	Read Rose & Meyer, 2002 - chapter 4
9/18/12	Application of UDL principles in lesson design (ISTE NETS-T 4)	<b>School Tech Audit</b>
9/25/12	UDL - Multiple Means of Representation with technology (ISTE NETS-T 4)	Read UDL Guidelines 2.0 Principle 1
10/2/12	Content-specific technology tool exploration (ONLINE) (ISTE NETS-T 1)	
10/9/12	UDL - Multiple Means of Expression with technology, Copyright guidance (ISTE NETS-T 1)	<b>Content Tool Collection</b> , read UDL Guidelines 2.0 Principle 2, Guideline 5
10/16/12	FALL BREAK - no class	
10/23/12	Technology and Pedagogy - Guiding an exhibit project (ISTE NETS-T 2)	<b>Virtual Exhibit Sample</b>
10/30/12	UDL - Multiple Means of Expression exploration (ISTE NETS-T 1)	Reading on students as content creators
11/6/12	Technology and Pedagogy - Guiding a technology project (ISTE NETS-T 2)	Outline of a content creation project of your choice
11/13/12	Planning for Technology-Enhanced Learning (ONLINE) (ISTE NETS-T 2)	<b>Technology Management Plan</b>
11/20/12	Educational Technology Productivity Tools, lesson conferencing (ISTE NETS-T 3)	Draft of Lesson Plan
11/27/12	Horizon Report - Predicting future trends in educational technology (ISTE NETS-T 5)	<b>Lesson Plan</b> , read Horizon Report Executive Summary, pgs. 3-6
12/4/12	Creating your professional learning network (PLN) (ISTE NETS-T 3)	Reading on PLN, <b>eFolio</b>
12/11/12	Public Service Announcement studio time (ISTE NETS-T 4)	Read Engage Me or Enrage Me
12/18/12	No class meeting	<b>Engage Me or Enrage Me PSA</b> (graduate students only)

**WEDNESDAY SECTION:**

<b>Date</b>	<b>Activity</b>	<b>Due</b>
8/29/12	Course introduction, begin development of eFolio (ISTE NETS-T 3)	Profile on Wiki
9/5/12	Educational Technology Productivity Tools (ISTE NETS-T 3)	???
9/12/12	Introduction to Universal Design for Learning (UDL) (ISTE NETS-T 4)	Read Rose & Meyer, 2002 - chapter 4
9/19/12	Application of UDL principles in lesson design (ISTE NETS-T 4)	<b>School Tech Audit</b>
9/26/12	UDL - Multiple Means of Representation with technology (ISTE NETS-T 4)	Read UDL Guidelines 2.0 Principle 1
10/3/12	Content-specific technology tool exploration (ONLINE) (ISTE NETS-T 1)	
10/10/12	UDL - Multiple Means of Expression with technology, Copyright guidance (ISTE NETS-T 1)	<b>Content Tool Collection</b> , read UDL Guidelines 2.0 Principle 2, Guideline 5
10/17/12	Work on Virtual Exhibit Sample (ONLINE)	
10/24/12	Technology and Pedagogy - Guiding an exhibit project (ISTE NETS-T 2)	<b>Virtual Exhibit Sample</b>
10/31/12	UDL - Multiple Means of Expression exploration (ISTE NETS-T 1)	Reading on students as content creators
11/7/12	Technology and Pedagogy - Guiding a technology project (ISTE NETS-T 2)	Outline of a content creation project of your choice
11/14/12	Planning for Technology-Enhanced Learning (ONLINE) (ISTE NETS-T 2)	<b>Technology Management Plan</b>
11/21/12	THANKSGIVING	
11/28/12	Lesson conferencing, Horizon Report - Predicting future trends in educational technology (ISTE NETS-T 5)	Lesson Plan Draft, Read Horizon Report Executive Summary, pgs. 3-6
12/5/12	Creating your professional learning network (PLN) (ISTE NETS-T 3)	<b>Lesson Plan</b>
12/12/12	Public Service Announcement studio time (ISTE NETS-T 4)	<b>eFolio</b> , Read Engage Me or Enrage Me
12/19/12	No class meeting	<b>Engage Me or Enrage Me PSA</b> (graduate students only)