

Authentic Educational Technology

University of San Francisco

0703-635 Spring, 2004

Instructor: Trey Cosgriff cosgriff@usfca.edu

Course Description

The intent of this course is to discover how best to implement educational technology by asking the experts, 7th and 8th graders. Lesson plans and instructional units will be designed specifically for student review and evaluation. Targeted skills include: Technology lesson planning strategies, Web-based curriculum design and development, Internet trouble shooting, classroom management, and tips for success. The course will emphasize collegiality, cooperation, and constructivism, as well as peer review and planning within a problem-based format.

Objectives

| <i>USF students will:</i> | <i>The 7th and 8th graders will:</i> |
|--|---|
| Engage in collaborative planning and teaching | Make their own Web pages for the Internet |
| Integrate technology into instruction and the curriculum | Design/create multimedia presentations |
| Create and lead teaching/learning activities with 7th and 8th grade students | Participate in peer critiques and reviews |
| Evaluate technology-based curriculum design and implementation | Use text, graphics, scanned images, other media |
| Participate in peer critiques and reviews | Evaluate Web pages |
| Study curriculum and instruction theory | Learn Web searching tools and techniques |
| Learn and practice web page design | Use digital cameras/scanners |
| Publish an instructional unit | Locate useful Internet sites |
| Use digital cameras/scanners | Understand how to cite Internet sources |

Course delivery and logistics:

- The course will meet every Thursday late afternoon, 4:00 p.m. to 8:30 p.m.
- In a typical semester, this will result in about 14-16 class meetings (for 6 unit registration).

- The 7-8 school students start after 2 preparatory sessions of USF students only.
- The final class meeting is USF students only.
- Thus, about 11 meetings will be "active instruction" meetings.
- The entire CIT will be reserved for these sessions.
- USF student 6 versus 3 unit registration is described below.

In the Table below, the Spring 2003 Semester Plan is outlined. The *Units* column indicates sessions required for 6 and 3 unit registered USF students. [6 unit students must attend all sessions. 3 unit students must attend the indicated required sessions, and a certain number of additional sessions, discussed below.] The *Session* column is by date. The *Comments* column indicates the content of each Session.

| Units | Session | Comments |
|-----------------|----------------------------|--|
| 6,3, all attend | Jan. 29 | Orientation: Technology review, intro to Readings, intro to curriculum design concepts [no 7-8 students in class]. |
| 6,3, all attend | Feb. 5 | Demonstration of curriculum/technology integration; planning and logistics for sessions with 7-8 students [no 7-8 students in class]. |
| 6,3, all attend | Feb. 12 | First session with 7-8 students. Brief orientation to CIT, class expectations. Instructor leads model activity: 7-8 students create own Web pages. Teacher-student dinner. |
| 6,3, all attend | Feb. 19 | Instructor leads part II of previous week's lesson.: 7-8 students create own Web pages and make presentations. Debriefing, discussion, planning. |
| 6,3 all attend | Feb. 26 Next 8 sessions | First USF student led session, 4:30 to 6:00 p.m. The 7-8 students depart. Debriefing, discussion, planning. |
| 6,3 all attend | May 13 | Final meeting with 7-8 students. Awards, celebration. USF student products due now, before last class session. Teacher-student dinner. |
| 6,3 all attend | May 20 | Class review, student product review, portfolios/presentations. |

- Note: No classes on March 18, Spring Break; April 8, Holy Thursday

Explanation of 3 unit versus 6 unit credit.

Course products are the same for both 3 and 6 units. Six unit students must attend all course sessions. Three unit students must attend seven prescribed sessions and three other sessions by agreement in the planning session. Three unit students are welcome to attend additional sessions, but will receive credit for only three units.

Authentic Educational Technology, USF Spring 2004, Product Checklist

Journal Articles 50 pts. :

1] "[The Technology/Content Dilemma](#)" (From Secretary's Conference on Ed. Tech. 1999) 10 pts.

(<http://www.ed.gov/Technology/TechConf/1999/whitepapers/paper4.html>)

2] "[Observing Classroom Processes in Project-Based Learning Using Multimedia: A Tool for Evaluators](#)" 10 pts.

(<http://www.ed.gov/Technology/TechConf/1999/whitepapers/paper3.html>)

3] "[Assessing the Role of Educational Technology in the Teaching and Learning Process: A Learner-Centered Perspective](#)" 10 pts.

(http://www.ed.gov/Technology/techconf/2000/mcombs_paper.html)

4] "[Developing Assessments for Tomorrow's Classrooms](#)" 10pts.

(http://www.ed.gov/Technology/techconf/2000/means_paper.html)

5] "[New designs for Connected Teaching and learning](#)" 10pts.

(<http://www.gse.uci.edu/mriel/whitepaper/>)

****Note: All journal articles require a "talk-back" or short reflective essay on topic.**

Unit of Practice (a teaching lesson delivered to middle school students) 100 pts:

Includes:

- Lesson Plan for Unit of Practice (digital/web-based) 20pts.
- Skills-Set for Unit of Practice /or handout (digital/web-based) 20pts.
- Interactive web page (digital/web-based) 20pts.
- Reflective "talk back" debriefing the lesson 20pts.

Curriculum Unit (thematic Web-based unit of activities) 150 pts.**Includes:**

- **Teacher's Resource Page 25 pts.**
 - **10 Ready Set Go's (single topic Web-based lessons) 100pts.**
 - **Class Presentation of digital Curriculum (final meeting) 25 pts.**
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Miscellaneous 100 pts.**Includes:**

- **Assessment Rubric (for Unit of Practice or Curriculum) 20 pts.**
- **Top Ten Picks (interactive bibliography of Web resources used) 20 pts.**
- **Web Site Review 10 pts.**
- **Class Participation 50 pts.**

*****Note: Models/examples of class products can be found at [The Authentic Educational Technology Web Site: http://www.usfca.edu/classes/AuthEd/index.html](http://www.usfca.edu/classes/AuthEd/index.html).**