



SOUTHWESTERN COLLEGE

2625 E. Cactus Road, Phoenix, AZ 85032

Phone: 602-489-5300

Educational Technology

Course Information:

Course Name – Educational Technology

Course Number – EDU 420

Semester Offered - Spring 2010

Instructor Information:

Name - Dr. Warren Pettitt

Office location – Second floor of Doerksen Administration building

Office phone – 602 489 5300 ext 119

email address – warren.pettitt@swcaz.edu

Office hours – Daily 8:30 to 9:00 and 3:00 to 3:45

Course meeting Days - Tuesday and Thursday

Course meeting Time – 10:30-11:45 A.M.

Course meeting Place – Computer Lab

Course Description: The purpose of this class is to explore the uses of technology in the curriculum in K-12 classrooms. The focus will be on developing theoretical and practical tools to evaluate, adapt, and use technology in the classroom. The class will be taught from the point of view of the teacher, considering what the teacher needs to know and do to be able to teach effectively with various technologies. We will also consider how students learn through the use of technology, tying major theories of learning to characteristics of technologies in schools

It is obviously impossible to "cover" everything a teacher might want to know about teaching and learning with technology. This class will not try to be comprehensive. Rather, we will identify theoretical issues that apply across technologies, grade levels, and subject areas; and we will look in depth at particular technologies in the various disciplines. With this approach, you should leave the class with some usable skills, and, perhaps more importantly, with an understanding of and approach to teaching with technology which will enable you to expand your own repertoire of technological tools.

Prerequisites: *Education major*

Course Student Learning Outcomes:

1. Know the basic technology terminology as outlined in the Arizona standards for technology.
2. List the Arizona State Standards for Technology listed under Glossary (found at <http://www.ade.state.az.us/standards/technology/default.asp>.)
3. Use Word processing, Spreadsheet, and Database software to improve teacher productivity.

4. Access and use www.ideal.azed.gov for planning and implementing lessons.
5. Discuss how basic learning theories view technology and learning.
6. Integrate using grading programs and other software tools into teaching and learning.
7. Integrate multimedia and hypermedia into teaching and learning (Power-point being one of the main vehicles used).
8. Integrate the Internet into teaching and learning
9. Develop grade specific lessons that integrate technology into the plan.
10. Develop grade specific lessons that can be accomplished over the Internet.
11. Develop a personal web site.
12. Evaluate web sites and course software

Texts and Resources:

The Internet will be the source for our readings.

Mr. Pettitt's website – www.swcit.org/warren.

Arizona's IDEAL website – go to www.ideal.azed.gov and register as a guest.

Course Schedule (including assignments and activities):

Date	Class	Assignment
1/12	Introduction Ideal registration	Website familiarization Continue on html code
1/14	Work on html Begin website tutorial	Work on html assignment
1/19	Presentation on computer hardware Quiz #1 and video on wikis (video found at www.swcit.org/warren/ed_tech_videos.htm).	Html assignment due
1/21	Website production	Blog entry #1 due found at http://southwesterncollege.edumoot.com . Reading #1 – found at www.swcit.org/warren/ed_tech.htm .
1/26	Personal website work Quiz # 2 and video on twitter found at www.swcit.org/warren/ed_tech_videos.htm .	Training through technology #1 due
1/28	Personal website work	Blog response #1 due Reading #2 – found at: www.swcit.org/warren/ed_tech.htm .
2/2	Quiz # 3 and video on social bookmarking found at www.swcit.org/warren/ed_tech_videos.htm . Introduction to 21 st Century Project	FTP website to school server
2/4	Digital movie making	Reading #3 due
2/9	Movie making Quiz #4 and video on google docs at: www.swcit.org/warren/ed_tech_videos.htm .	Blog entry #2 due
2/11	Presentation on using Microsoft programs	Reading #4 due

2/16	Quiz #5 and video on RSS feeds at: www.swcit.org/warren/ed_tech_videos.htm . Presentation on software	Training through technology #2 due
2/18	Presentation on Webquests	Reading #5 due Blog response #2 due
2/23	Presentation on collaborative projects Quiz #6	Student presentation of either Webquest or collaborative project
2/25	Student Presentation	Reading #6 due
3/2	Review or Midterm Quiz #7	Study for midterm
3/4	MIDTERM	Blog entry #3 due
3/16	Quiz #8 Presentation Evaluating Websites Introduction to Tech Project	Reading #7 due
3/18	Presentation on IDEAL	Training through technology #3 due
3/23	Quiz #9 Presentation Tapped IN	Reading #8 due
3/25	Presentation on Elluminate	Reading #9 due
3/30	Quiz #10 Presentation on Voicethread	Blog entry #4 due
4/1	Presentation on computer security	Reading #10 due
4/6	Quiz #11 Presentation on Intime and Pageflakes	Training through technology #4 due
4/8	Presentation on Thinkfinity	Blog response #4 due Reading #11 due
4/13	Quiz #12 Presentation on Thinkquest and Webplay	Summary 2 videos – “One laptop per child” found on my website www.swcit.org/warren/ed_tech_videos.htm .
4/15	Presentation on Moodle	
4/20	Work on Project	Training through technology #5 due
4/22	Work on Project	Blog entry #5 due
4/27	Student Presentation – Tech Project	Blog response #5 due
4/29	Review for final	Study for final
5/4-7	Final	

Types of assignments

- a. Blog entry – pre-assigned questions concerning technology. The blog site can be accessed by going to my website and clicking on the appropriate link on the educational technology page. This will take you to the page with the assignments. The direct link is <http://southwesterncollege.edumoot.com> .

- b. Blog response – your response to other students entries.
- c. Readings – These are found on my ed tech homepage (http://www.swcit.org/warren/ed_tech.htm). Each summary should be one page in length.
 - 1. Reading 1: Summary of the introductory chapter of the Horizon report.
 - 2. Readings 2-7: Summary of each chapter with the addition of a half page critique for one of the websites mentioned at the back of each chapter.
 - 3. Reading 8 – Summary of one of the chapters of this report.
 - 4. Reading 9 – Summary of this article and please include a short summary of the video also.
 - 5. Reading 10 – Summary of one of the first 4 chapters of this report.
 - 6. Reading 11 – Summary of a second chapter of this report.
- d. Your basic web site will contain the following pages:
 - 1. Home page
 - 2. Arizona Technology Standards page with a link
 - 3. Digital Movie project
 - 4. WebQuest project
 - 5. Annotated List of 10 Internet Resources
- e. “Training through Technology” – Acceptable website for completing the assignments:
 - 1. <http://www.paec.org/teacher2teacher/index.asp>.

This is the website for training sponsored by the U.S. Education Department for the No Child Left Behind legislation. What I would like you to do for this site is to enroll, take one of the courses and become certified in that training. The assignment will be completed when you hand in the certificate of completion. I have completed a few of the certifications, one that I thought was helpful to me was under “Additional Subjects” and titled “NCLB basics for teachers and principals” (it explained what No Child Left Behind was all about).

- 2. <http://www.learner.org/resources/browse.html>.

This is the website from the Annenberg foundation which has placed many teacher training series free on the web. You need to enroll (it is free) and then select one of the series to watch. You do not have to watch the whole series just 1 hour of it (this could be one-one hour program or 2-1/2 hour programs). When you are finished watching the program write a 1 to 2 page summary with a critique of what you thought of it. Would you watch the rest if you had time?

- 3. <http://www.intime.uni.edu/>.

This is a wonderful website from the University of Northern Iowa. What I want you to do is to click on “Find a video” and then on “content area”. Now pick an element from the dropdown menu and click on Activity Overview and watch the video. Write a short summary of this activity. Click on “Download Lesson Plan” and print out a copy of the lesson plan. Include in your summary a critique of the lesson plan that you downloaded

- 4. <http://www.edutopia.org/#>

This is the website from the George Lukas Foundation. Click on Videos and from the dropdown menu pick a few topics you would like to choose from. I have watched a few from the Technology Integration page and found them to be very

enlightening. Watch the videos and then write a 1 to 2 page summary of what they were about and what you thought of it. The videos on this site are much shorter than the other sites, for this reason I want you to view enough videos that one assignment (the viewing and writing) takes about 1 hour.

f. Technology Project –

Go to www.swcit.org/warren/ed_tech_project.htm for the explanation.

g. Miscellaneous assignments: any assignments deemed necessary as we proceed through the semester

Major sources of points

- a. Personal website
- b. Midterm and final
- c. Weekly quiz – over words from the glossary of Arizona Technology Standards
- d. Blog entries and responses
- e. Projects and tutorials
- f. Summaries

Helpful Information

- a. <https://www.dreamspark.com/Products/Product.aspx?productid=24>. This is a great site from Microsoft that allows you to download for free Expression Web (and other software) – a value of about \$300.00.

Assessment and Grading:

Assignments and their weight –

Midterm – 150 points

Final – 200 points

Quizzes – 15 – 25 points each

Reading – 25 points per summary

Projects – These will vary from 25 points to 150 points.

Absence – Absence from 5 or more classes is sufficient reason for the instructor to drop the student from the course with a failing grade.

Late Work – Work will not be accepted after the due date. Please communicate with me as soon as possible if circumstances arise that necessitate extensions be granted.

Class email address – If you want to send your homework to me by email please send it to edtechhomework@swcaz.edu.

Letter Grades:

- A – 90% to 100%
- B – 80% to 89.5%
- C – 70% to 79.5%
- D – 60% to 69.5%
- F - < 60%

Expectations for Students:

A. Attendance

- Students are responsible to arrive for lectures and computer lab classes at the scheduled time. Tardiness is an interruption to instruction.
- It is the student's responsibility to obtain pertinent information from other students or the instructor in the event of tardiness or absence.
- In anticipation of absence from a scheduled quiz, test, or lab it is the student's responsibility to make arrangements in advance to take a quiz, test or perform a lab exercise at an alternate time that is mutually convenient and agreeable. Missed assignments will be averaged in as a zero on the course grade unless prior arrangements have been made. There is no makeup for these. Excused missed tests must be made up within 1 week of the scheduled time they were taken. Arrangements to make up the test must be made as soon as the student returns to class.
- There is no late work, if you have an emergency concerning any assignment please contact me as soon as possible.

B. Reading

1. Most benefit will be derived from the course if the assigned reading is done prior to arrival at the lectures. You will find scanning the text to be insufficient in your preparation.
2. The instructor may assign additional reading.

C. Cell Phones and other electronic devices should not be on during class.

Accommodation and Special Needs - Include the following statement: Your instructor is willing to make any reasonable adaptations for limitations due to any disability, including learning disability, in keeping with SWC policies and the Student Handbook. Any student with documented certifiable special needs should contact the office of the Dean of Student Services on campus and they will inform me of the proper accommodations you require. If you have a special need, including a learning disability, it is your responsibility to contact this office as soon as possible to discuss your accommodation needs.

Retention of Examinations and Assignments: Instructors will retain copies of student examinations and assignments not returned to students for one semester in case of dispute between a faculty member and a student in assigning or recording a grade. After that

time, instructors may discard course materials in a manner that preserves student confidentiality.

E-mail Policy – Include the following statement: Students are issued an official Southwestern College student email address when they are admitted to the College. These addresses all have the same form: firstname.lastname@swcaz.edu. This is the only electronic mailing address recognized by the college. Students are responsible for all official college communications, including attachments, transmitted to this address. SWC faculty and staff are not responsible for forwarding email to personal email accounts that are not assigned by the college. Students are required to check their SWC email on a daily basis.

Withdrawal:

Last day for withdrawal without instructor signature – January 29th, 2010

Last day for withdrawal with instructor signature – March 19th, 2010

Disclaimer note - Include: *This syllabus is subject to modification. The instructor will communicate with students any changes.*