Chaminade University

ED470

Teaching with Technology

Course Syllabus

Students access to a *computer and email account to use between class*
University will provide student email accounts if needed.

Instructor	Catherine Matsuno 95-296 Ahiku Street **#21** Mililani, HI. 96789	**Office** Hours by appt.	Sacred Hearts Academy 3253 Waialae Avenue Honolulu, HI. 96816

Phone   Work 734-5058   **http://acad.chaminade.edu/faculty/cmatsuno**
             Home 627-0675

E-mail   **cmatsuno sacredhearts.or**
          cmatsuno1@earthlink.net

TEXT:
No Text Required
Handouts Provided

MATERIALS:
Students are required to bring several IBM formatted disks to class. Computers are also equipped with 250 MB Zip drives and cd-writers for data storage.

COURSE DESCRIPTION:
Teachers today and in the future will be using technology in their instruction
in new and challenging ways to meet the ever-changing demands of their students.
The integration of multi-media devices, e.g., computers, video, discs, CD-ROMs,
and digitized images and sound make teaching new and exciting. This course
is designed to teach pre-service teachers, the necessary skills to develop
instructional materials via the implementation of educational technologies.

RATIONALE:

Chaminade University prepares individuals to become reflective educators. Reflective educators know the content of the disciplines they teach, they know how people learn, they can adapt knowledge in such a way that is appropriate for their pupils, they utilize a variety of instructional methods and materials, they continuously assess learning and teaching, and they demonstrate ethical norms and dispositions appropriate for members of the teaching profession. Teacher education students leaving Chaminade University should be equipped to use advanced technologies in the classroom; should be able to utilize the strategies in implementing educational technology to create and interactive learning environment; and should be able to integrate educational technology on their curriculum. Teacher education candidates are expected to be on

the cutting edge of today's educational practices; in order to meet this need, this ED470 is required of all teacher education students.

COURSE GOALS AND OBJECTIVES:

GOALS:
1. The student who completes this course will be able to demonstrate competency in the basic use of an IBM compatible computers to develop/produce quality materials using basic software applications and multimedia programs.
2. The student will become familiar with the various aspects of instructional design and apply them to the production of instructional materials that include technology.
3. The student will be competent in the use of Microsoft Word, Internet Explorer and the Web, Microsoft PowerPoint, e-mail, and other aspects of educational technology.

OBJECTIVES:

SKILLS:
1. Develop educational signs, posters, or banners for use in the classroom
2. Create and edit a document with a word processing application.
3. Use desktop publishing techniques to produce a newsletter with graphics.
4. Demonstrate skills in using e-mail to communicate with the instructor and other students.
5. Use a scanner, digital camera, and download images from the Internet.
6. CD creation.
7. Design and develop an instructional multimedia unit that integrates technology standards.
8. Develop a lesson utilizing MS PowerPomf.
9. Develop a web page for student use.
10. Develop a web quest for student use.

KNOWLEDGE:

1. Explain how instructional media can be effectively integrated into a lesson plan that integrates Hawaii's technological standards.
2. Define various types of higher level thinking skills and describe how educational technologies can help students develop these skills.
3. Describe how hands-on computer and video tools can enhance student creativity.
4. Describe how and why educational technology is becoming increasingly important in schools.
5. Describe the legal, ethical, and social issue involved in technology usage.
6. Discuss methods in which a "one computer classroom" can enhance curricular materials through cooperative and collaborative activities.
7. Analyze some technology related issues and make constructive suggestions toward effective solutions.
8. Explain copyright limits on print, computer, and video media.
9. Describe how instructional software can be used to meet the needs of individual learners.
10. Describe how to empower student learning through the use of constructivist principles.
11. Describe how technology can be used in educational assessment and evaluation.

COURSE ATTENDANCE AND PARTICIPATION:

Classes in this course are primarily hands-on sessions. Therefore, it is vital that students attend each session. For this reason, attendance in this course will be highly weighted in grade determination.   The participation of students will be measured in individual, small

group and large group activities and discussion. ~~Each student must make~~ **every** ~~attempt to~~ **participate** ~~100% in each session.~~

GRADING SYSTEM:

Letter Grades will be based on the following percentages:

90%-100%=A
80%-89%=B
70%-79%=C
60%-69%=D
59% & below=F

*Late work will receive an automatic 5% grade reduction. If an assignment is more than 2 weeks late it will not be accepted and the student will receive an F for the missed assignment.

COURSE ASSIGNMENTS:

Flyer, Certificate, Story Starter	10 pts.
Class Newsletter	10 y 4s.
echnology Integrated Lesson Plan	10 **pts.**
PowerPoint Presentation	**20 pts.**
Personal Web Page	**20 pts.**
Web Quest	**20 pts.**

*Your attendance will be worth the final 10 **points.***

WINTER 2002 COURSE SCHEDULE:

WEEK	TOPIC
Jan. 10	**Course** Introduction and Overview (readings)
	A Vision of Technology in Education
	SHA Computer Lab & Tour
	Using Lab Computers/Programs & Network
Jan. 17	R/D **Student/Teacher** Standards in Technology
	Lesson Planning to Incorporate Technology
	Word Processing in Education
	Graphics, Clip Art, Templates
Jan. 24	**1**st Assignment due (Word Documents)
	Word Processing & Class Newsletters
	Using a Digital Camera
Jan. 31	12"d Assignment due (Word Newsletter)
	PowerPoint in the Classroom
	Introduction to PowerPoint, Planning & Purpose
	Storyboard & Rubric
Feb. 7	PowerPoint continued in class
	Presentations & Design Suggestions-Graphics/Sound
Feb. 14	Assignment due (PowerPoint Presentation)
	Exploring Online Teacher Tools
	Templates & Tutorials
Feb. 21	How to Create a Web Quest, Planning and Design
	Refining Internet Searching for Content Links
Feb. 28	**4**th Assignment due (Web Quest at end of class)
	Design and create a Web Page
March 7	Continue work on Web Page in class
March 14	**5**th Assignment due (Web Page)
	Class Evaluations
	Student Presentations