

ETES 2320 Creative Activities for Teachers Syllabus Spring 2006

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Schedule

Time: TR 11:00-12:15, R 12:30-1:45 (Lab)
Final Exam: Tuesday, May 9th, 2005 12:00-3:00

Course Description: This course provides opportunities to develop skills in problem solving activities and technological design in order to teach those skills to students. The activities are designed primarily for use in elementary school settings but could be adapted for other grade levels and settings. The course provides for a variety of activities that infuse academic, vocational, and applied technological skills. Instruction focuses on ways to incorporate problem solving, technology, creativity, critical thinking, math, science, language, history, geography, and multicultural issues into “hands-on activities.” The course is composed of lectures, independent and group projects, and laboratory work.

Course Objectives:

By the end of this course you should be able to:

- A. Define, describe, and use technology.
- B. Recognize the historical and modern interdependence of technology on individuals, society, and the environment.
- C. Identify the resources, applications, and outputs critical to the design and operation of technological systems.
- D. Apply technology and engineering design to develop creative solutions to present and emerging technological problems and opportunities.
- E. Compare, contrast, and communicate the benefits and limitations of a variety of technological systems.
- F. Conduct research and utilize technological resources in the planning, developing, and constructing of hands-on learning activities.
- G. Describe the impacts of technological innovations upon the individual, society, and the environment

- H. Develop knowledge and skill to work safely and efficiently with various tools and materials.
- I. Work cooperatively and productively as a member of a small group.
- J. Develop life-long learning skills to assist in making appropriate technological decisions and an educator and citizen in a technological society.
- K. Develop awareness of the multitude of technology activities, equipment, supplies, and strategies for the elementary school curriculum.
- L. Identify and apply the Technology Education Standards for the elementary grades.
- M. Develop technology-learning activities for the elementary grades.

Course Structure:

Classes will be conducted using the following teaching style:

1. Lectures, general discussions, demonstrations, problem-solving activities, and cooperative learning activities. Course lessons may be enhanced with videos, guest presenters, and fieldtrips. You will be required to do outside research, reading, and writing. The university library juvenile section will be a great resource of information.
2. Student will be exposed to and participate in student tested technology education activities that have been successfully applied in the elementary school.
3. Student presentations; each group or individual will have an opportunity to present an activity to implement technology education and engineering design in the elementary school.

Grading:

- A. Major activities, tasks, and deadlines:

The grade for this course will be determined by the total points accumulated for all assignments, quizzes, papers, worksheets, examinations, and group projects. The grade for the class will be determined by the percentage of the total possible points based upon the following scale:

- B. Grading:

A = 90 - 100%

B = 80 - 89%

C = 70 - 79%

D = 60 - 69%

F = Below 60%

- C. Assignments must be submitted in the format requested such as an Excel file, Word file, PowerPoint etc. Points will be deducted accordingly if assignments are submitted in a format other than what was requested. Generally, a hardcopy and electronic copy will be required. The digital drop box in WebCT is acceptable for electronic submissions.
- D. Assignments are due at the start of class on the due date. Any assignment turned in after class begins will be deducted points accordingly. Assignments turned in late, will be deducted approximately 10% per day late.
- E. All written work is to be word processed, and work handwritten may lose points accordingly or returned for resubmission.

Laboratory Experiences, Safety, and Clean-up:

Lectures, demonstrations, group, and individual lab work will be used as methods of instruction for this course. Some lab work may be required for some activities. You are expected to clean up after each work session. Any individual or group that leave a mess or does not return equipment to its proper place can be subject to a 10% deduction on the assignment grade. Note: you must wear safety glasses for all lab work. You are encouraged to purchase your own safety glasses and bring them to each class session.

Late Assignment Policy:

Assignments are to be proofread and, when possible, reviewed by a colleague. All assignments are due at the start of class on the assigned date. The assignment is still due on the assigned day even if the student is absent. Late assignments will be deducted a minimum of 10% each day late. Excessive late assignments may not be accepted at all and is at the discretion of the instructor.

Attendance Policy:

Punctuality and attendance are important to the successful completion of the requirements for this course. For that reason, attendance will be taken for each class. The class participation portion of the course evaluation will be based on punctual attendance to all class meetings and participation in class discussions.

Note: Students with disabilities who require reasonable accommodations in order to participate in course activities or meet with course requirements should contact the instructor during office hours or by appointment.

Dishonesty:

All academic work must meet the standards contained in A Culture of Honesty. Each student is responsible to be informed about those standards before performing any academic work.

Dishonesty of any type, related to completion of course assignments, examinations, or other required activities is a serious offense. Should such an instance occur, it will be handled in accord with University regulations as described in the current edition of the *Graduate Bulletin*

Drop Policy:

The drop policy is described in the *Spring Semester Schedule of Classes*. If circumstances arise that will prevent a student from adequately fulfilling course requirements, it is important to address procedures to drop the class prior to the mid-point of the semester.