

**Department of Engineering & Technology Education
College of Engineering
Utah State University**

Courses Title: Contemporary Issues
Course Number: ETE 6100
Semester Credits: 3
Instructor: Dr. Gary A. Stewardson
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Date: Summer 2008
Course Time: MTWRF 10:30 am - 12:45 pm
Building/Room: IS 116

Course Description

This course is designed to identify and discuss significant issues and trends in technology, engineering and career and technical education. At the conclusion of the course, students should be familiar with various programs, issues, trends, publications, and associations related to the technology, engineering and career and technical education.

Selected Topics

Changing Work Force/Values
Overview of Issues and Trends in Technology Education
Recent Historical Perspective and Trends
 Standards for Industrial Arts
 Jackson's Mill Curriculum Theory
 Conceptual Framework
 Technology Education Curriculum Development Efforts
Technological Actions as an Organizer
Technology for All Americans: A Rational and Structure for the Study of Technology
Standards for Technological Literacy: Content for the Study of Technology
Technological Literacy
Teacher Shortages
Technology Education in Utah
Overview of Issues and Trends in Engineering Education
 Undergraduate engineering education
 Graduate engineering education

K-12 Engineering Education
Project Lead The Way
Infinity
FIRST
MindStorms
Engineering and Technology Education Associations
Career and Technical Education
Competency/Performance Based Training
Open Entry/Open Exit
Human Resource Development
International Skill Development

Texts

Anthology on Selected Readings in Technology Education (supplied)

International Technology Education Association. (2000). *Standards for Technological Literacy: Content for the study of technology*. Reston, VA: Author.*

American Psychological Association. (2001). *Publication manual of the American Psychological Association* (5th ed.). Washington, DC: Author.

* Copies of this document are being disseminated by the
International Technology Education Association
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Course Requirements

1. Complete assigned readings.
2. Complete dialogue-aid sheets for assigned readings.
3. Participate in classroom discussions concerning readings and assignments.
4. Take midterm.
5. Take final exam.

Evaluation

The following items will be used in calculating the final course grade, and each will be weighted as indicated:

Class participation and assignments	1/3
Midterm	1/3
Final exam	1/3

Final letter grades will be based on a normal distribution (assuming a large enough population) or percentage whichever system earns the student the higher grade. Points in each category will be totaled and weighted appropriately. The standard deviation (SD) and percentages for the class will be calculated and grades assigned as follows:

+1/2 SD and above	or	90% and above	A
-1/2 SD to +1/2 SD	or	80% to 89%	B
-1 1/2 SD to -1/2 SD	or	70% to 79%	C
-2 1/2 SD to -1 1/2 SD	or	60% to 69%	D
-2 1/2 SD and below	or	59% and below	F

Extra Credit: The satisfactory completion of a class project will earn a full standard deviation or ten percentage points of extra credit toward the final grade. A class project will require outside work and a written manuscript using APA format. Extra credit projects need instructor's approval.

Reasonable Accommodation Statement

In cooperation with the Disability Resource Center, reasonable accommodation will be provided for students with disabilities. Please meet with the instructor during the first week of class to make arrangements. Alternative format print materials--large print, audio, diskette, or Braille will be available through the Disability Resource Center.