

C.I. 161 Methods and Materials for Teaching Industrial Technology
California State University, Fresno
Department of Industrial Technology

Enrollment: Limited; meets Methodology requirement for single subject credential

This is a web-based course

Instructor: Darnell "Don" Austin

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559-278-6494

Office: IT244

Office Hours Posted on Blackboard site

Requirements:

Student must have access to a computer and printer with MSOffice Software (See university catalog for computer hardware and software requirements.) A CSUF email account. Note: communication with you will be made through this account. Either check it daily or have it linked to an email account you check regularly. It is the student's responsibility to stay informed and to be able to be linked and to participate in the class.

Method of Instruction:

Go to <http://blackboard.csufresno.edu> and log in using your csufresno email account. Assignments will be posted on the website. Most work will be submitted via the website or by email.

Academic Honesty and Dishonesty:

CSU, Fresno has adopted an honor code. This code defines the responsibility and actions of the administration, faculty and students. Basically:

- students will be honest and engaged
- faculty will be ethical, fair and professional
- the university will provide a nurturing and thriving environment.

The site below includes links (at the bottom) to information about plagiarizing and cheating. I strongly encourage students to review all the information at:

<http://studentaffairs.csufresno.edu/discipline/honorcode.html>. YOU ARE RESPONSIBLE for knowing about the information at this website.

Plagiarism is defined as copying information directly and submitting it as you own. This includes cutting and pasting from websites and submitting it in a term paper without proper reference. If you do not have experience writing academic papers, please contact the Writing Center for instruction. You will have to submit upper division caliber work in this class. It will not be accepted if you simply cut and paste your information.

Students with disabilities:

Students with special learning needs should notify the instructor immediately and contact the Office of Services to Students with Disabilities at 278-2811.

Office Hours:

Office hours are times when an instructor is available for assistance, in person or by phone. I do make appointments for student on other issues (such as general academic advising) during office hours, but I will make time for drop in students at those times. Don't be afraid to ask for help if you need it. I intend to meet with each student in person this semester, either on campus or at the school where you are teaching.

Grading:

Your final grade will reflect the work you do in this class. There are assignments for each unit. In this class, most of them will be written summaries of your learning process. I do not give grades, students earn them. I hope that I can assign each student an A. If everyone does all the assignments in a excellent manner, I will. If you get in trouble and your grades are sorely lacking, I will notify you. Refer to the university catalog for details, but basically A=excellent, B=very good, C=adequate, D=not satisfactory F=fails to meet minimum standards

Modifications to the Syllabus:

There will likely be changes made in the syllabus, particularly in the topics and topic order. Notification will be made on the blackboard site. Checking your e-mail regularly will ensure that you receive news of possible modifications in a timely manner. Note: the instructor will be in Washington DC for a week in late April and may or may not be accessible.

Topics: (in expected order of presentation)

Unit 1. TPEs

Review the CSUF and CTC Teacher Prep Expectations.

Assignment: answer questions about how TPE's will impact your teaching

Unit 2. Standards and Frameworks

Structure of CTE in CDE

<http://www.cde.ca.gov/ci/ct/sf/>

Career pathways

The five industrial categories covered by Industrial Technology

Finding the standards of your specialty

Assignment: write a breakdown of the standards for your specialty

Unit 3. Industrial Technology curriculum

Distinguishing features of IT's hands on teaching

Definitions of teaching's jargon

Sources of curriculum guides

Developing your own curriculum

Course goals

Developing objectives

IT lesson plans

Tying lesson plans to state standards

Assignment: develop a unit plan

Unit 4. Operating an IT class

Issues for IT classes

Safety

Review of case work on IT accident cases

Budgeting

Perkins funding for capital equipment

Expendables such as paper, motor oil or solder

Methods of tool management

Methods of cleanup management

Assignment: develop a method to manage your class room

Unit 5. Teaching Industrial Technology

Teaching a lesson

Assignment: Teach a five minute lesson on selected topic
video

Unit 6. Recap

A look back at TPE's