

## Master Course Syllabus Outline

Department: **Engineering Technology** Course Prefix/Number: **I T 3143**

Official Course Title: **Principles of Technology Education**

Master Syllabus Approved by Department on: **05/23/05**

- I. Catalog Description: **A study of the Texas Technology Education curriculum, to include the areas of communication, manufacturing, construction, energy, power, transportation, computer applications, bio-related technology, electricity, electronics, graphics, principles of technology, and other related technologies.**
- II. Prerequisites? **None**
- III. Expanded Course Description: **Topics to be covered in I T 3933 are as follows: Texas Education Agency Coherent sequence and content of current Texas technology education middle school courses (6-8) including exploring communication technology, exploring computer application, exploring construction technology, exploring energy, power, & transportation technology, exploring manufacturing technology and exploring manufacturing technology. Texas Education Agency Coherent sequence and content of technology education high school courses (9-12) technology systems, engineering principles, bio-related technology, communication systems, computer application, construction systems, energy, power & transportation systems, manufacturing systems, architectural graphics, communication graphics, engineering graphics, computer multimedia and animation technology, architectural construction, electricity/electronics technology, manufacturing technology, research design & development, problems & solutions in technology and principles of technology I-II. The student will study proposed course curriculum for the above content areas and the Texas Technology Education Essential Knowledge and Skills Standards for each content area based on current state and national standards. The student will be required to prepare and execute lesson plans using state standards in no less than two of the content areas above.**
- IV. Intended Student Learning Outcomes? **The student will be able to 1) give the general course description of all Texas middle and high school technology education courses; 2) describe the content basic curriculum of each of the Texas middle and high school technology education courses; 3) list Texas Technology Education Essential Knowledge Skills standards for each course in the preparation of individual lesson plans; 4) execute prepared technology education lesson plans in a classroom environment.**
- V. Unless otherwise stipulated in this master syllabus by the department, the following items are subject to faculty discretion as described in each faculty member's individual course outline/syllabus:
  - a) Course Requirements? (grading/evaluation procedures; class attendance policy; term papers, projects, field assignments; examinations; class participation, etc.)
  - b) Required Text(s)?

## b) Bibliography?

VI. Academic Honesty: Cheating, plagiarism (submitting another person's materials or ideas as one's own), or doing work for another person who will receive academic credit are all-impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

VII. Students With Disabilities Policy: It is the policy of Tarleton State University to comply with the Americans with Disabilities Act (ADA) and other federal, state, and local laws relative to the provision of disability services. Students with disabilities attending Tarleton State University may contact the Office of Disability Services at (254) 968-9478 to request appropriate accommodation. Furthermore, formal accommodation requests cannot be made until the student has been officially admitted to Tarleton State University.

Department Head Signature/Date:

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Signature

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Date