Master Course Syllabus

Department: Engineering Technology  Course Prefix/Number: IT 345
Official Course Title: Industrial Design

Master Syllabus Approved by Department on: 12 / 03 / 07

I. Catalog Description: An application based course that exposes students to industrial design and provides experience in the varied aspects of the design process, culminating in a final, individual design project. Topics include, but are not limited to: working drawings, tolerancing, dimensioning, material selection and pricing, sketching and proper design techniques. Lab fee $10.

II. Prerequisites: IT 235 or approval of the instructor

III. Expanded Course Description: Industrial Design emphasizes the principles of design as related to the fields of engineering, manufacturing, and construction. The primary emphasis is on manufacturing principles and processes as they relate to the design process and the interchangeability of parts. The course is the third level design course directed toward sophomore and junior students and is intended to help students understand and apply the principles of design.

IV. Intended Student Learning Outcomes: Upon completion of the course, students will be able to:
   1. Explain the importance of the initial design stages in product development and manufacture.
   2. Explain the integration of the design and manufacturing process.
   3. Explain the significance of design principles relating to mating parts.
   4. Identify the components of an engineering working drawing including detail drawings, assembly drawings, and bills of material.

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                          Date