

MAE 3344 Introduction to Manufacturing Engineering

SYLLABUS

Woolf Hall, Rm 311

Class times:

Mondays and Wednesdays: 1:00 to 1:50 pm Woolf Hall; Room 311

Labs Friday 1:00 - 3:50 pm,

Rev: 01/14/2007

Instructor: Dr. John J. Mills

Office: Room 215, Woolf Hall

Office Hours: Mondays: 10:00 - 12:00 pm;
Wednesdays: 10:00 - 12:00 pm;
and by email

Phone: 272-7366

Mailbox: MAE Department

Email: jmills@uta.edu

Instructor WWW site:

Course WWW site: <http://www-woolf.uta.edu/mills/mantech>

Course Prerequisites:

Required Textbook(s): Introduction to Manufacturing Engineering and Technology, 4th edition, by S. Kalpakjian, Pub. by Addison Wesley

Course Description: Course will consist of lectures, discussions, visits to manufacturing companies, participation in manufacturing simulations, quizzes, homework and a final exam. The course will cover the broader aspects of Manufacturing as well as details of individual processes including casting, metal removal, environmentally conscious manufacturing and finishing. Final exam will be optional depending on grade.

Course Learning Goals/ Objectives: To bring to the students an appreciation for the complexity, depth and breadth of Manufacturing; To provide the students with an understanding of the importance of manufacturing processes to the economy and to design decisions; To introduce students to concepts, examples, and real world applications of manufacturing processes.

Attendance and Drop Policy: Standard University Policy

Tentative Lecture / Topic Schedule (Course Content): see home page

Specific Course Requirements w/ Descriptions: Attendance is mandatory including labs.

Quizzes/Exams: ~ every third to fourth week

Examinations: Optional final exam

Major Assignments

Homework: Every other week. It is intended that the homework assignment will be posted on the web site. Homework will be submitted as hard copy by the beginning of the class when it is due.

Projects: Some students may be asked to describe the work they do in their job. Extra credit is awarded. Homework can be submitted late by **prior** arrangement.

Labs: every Friday afternoon

Research Papers none

Missed Exams & Quizzes: Can be made up if arranged **prior** to quiz.

Makeup Work: Can be arranged on **prior** notification

Course Evaluation & Final Grade:

Optional final counts for 30% of total grade (if student is failing or has missed homework, they must take the final)

Quizzes count for 40% of total grade

Homework counts for 30% of total grade

Some quizzes will be open book. Class will be advised in advance.

Answers to quizzes and homework will be discussed in the class and labs

Student Evaluation of Teaching: Standard University policy

Americans With Disabilities Act

The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112-The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act-(ADA), pursuant to section 504 of The Rehabilitation Act, there is renewed

focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member , I am required by law to provide **"reasonable accommodation"** to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with **informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.**

Academic Dishonesty

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22)