

## Syllabus for MAE 3344 – 001,002 Fall 2009

**Instructor's Name:** Nancy Michael

**Office:** 204D Woolf Hall

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**Office Hours:** 11am-12pm Tuesdays and Thursdays.

**Course Number, Section and Course Title:** MAE 3344 – 001, 002 Manufacturing

**Time and Place of Class Meetings:** 221 Woolf Hall, MW 1-1:50 and Friday 1-3:50pm, Aug 24 – Dec 4, 2009. Friday lab periods will be a combination of off-campus tours of manufacturing facilities, on-campus labs, and on days when no tour or lab is scheduled, lecture from 1 – 1:50.

- On the days the class takes off-campus tours, we will usually **leave** UTA at 12:15pm so that we can begin the tour at 1pm and complete it before plant operations shut down. Generally, the tours will return to UTA by 3:30. Transportation will be provided in the form of shuttle bus or charter bus and will meet us in front of the UC near the Bluebonnet Ballroom entrance.
- If you decide to drive separately, you must be at the destination by 1pm for the start of the tour. (Getting lost, traffic issues, etc, are not acceptable excuses so leave plenty of time.) Information on the plant location will be posted on the website a week before the tour.

**FINAL EXAM:** Monday Dec 7, 11-1:30.

**Description of Course Content:** Introduction to casting, forming, machining, and joining processes for metals and nonmetals. The Material covered will include the following chapters of the textbook. Students are responsible for reading material and lecture content.

Chapters 1 – 13, All sections unless otherwise stated in class.

**Student Learning Outcomes:** Students will have an understanding of traditional metal, ceramic and polymer forming processes and important factors which enable successful manufacture for those processes. Students will have an understanding of the relationship between the manufacturing process and the resultant properties of the manufactured part.

**Requirements:** Pre-requisite: MAE 3324 or MAE 2321 and MAE 2312

**Required Textbooks and Other Course Materials:** Manufacturing Processes for Engineering Materials, 5<sup>th</sup> ed. Kalpakjian & Schmid. When used for lecture, presentation slides will usually be made available to students through the class website.

**Class website:** <http://www-woolf.uta.edu>

login: 3344michael

password: 77fracture19

**Grading Policy:**

Exam 1: 25%	A	≥ 90% of full credit
Exam 2: 25%	B	≥ 80%
Final (comprehensive): 30%	C	≥ 70%
Homework/Quiz: 15%	D	≥ 60%
Attendance 5%		

**Homework:** Approximately weekly homework assignments. Homework is due at the **beginning** of class and should be clearly written. Late homework will be accepted up to 5pm on the due date for 90% of the earned grade. Homework is not accepted by e-mail but may be faxed to the advising office 817-272-2952 by the due date/time.

**Make-up Exam Policy:** One missed midterm exam may be made up by taking a single comprehensive make-up exam during the last week (dead week) of the semester outside of normal class hours.

**Attendance:** Lab activities are important to this course and as such, attendance is required. 1 point (on a 100 point scale) will be deducted from your final grade for each missed lab activity to a maximum of 5 points total. A valid, pre-arranged excuse will be accepted for a maximum of 1 missed field trip. If you miss lecture, you are still responsible for missed lecture material and turning in homework on time.

**Descriptions of major assignments and examinations with due dates:**

**Tentative** Schedule:

Midterm Exam 1: Sept 23

Midterm exam 2: Oct 28

Final exam: Dec 7, 11-1:30

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**Classroom Etiquette:** In the classroom, all phones and computers must be silenced. Please refrain from all forms of electronic communication when class is in session. If electronics are creating too much distraction, even when silenced, the instructor may request that they be turned off.

**Attendance Policy:** Attendance is required.

**Drop Policy:** Refer to the University drop 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 opportunity legislation; reference Public Law 92-112 – The Rehabilitation Act of 1973 as amended. With the passage of 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 accommodations” to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability). Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

**Academic Integrity:** 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 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, Series 50101, Section 2.2)

**Student Support Services Available:** The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally or socially should contact the Office of Student Success Programs at (817) 272-6107 for more information and appropriate referrals.

**E-Culture Policy:** The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email.

All students are assigned an email account and information about activating and using it is available at [www.uta.edu/email](http://www.uta.edu/email). New students (first semester at UT Arlington) are able to activate their email account 24 hours after registering for courses. There is not additional charge to students for using this account, and it remains active as long as a student is enrolled at UT Arlington. Students are responsible for checking their email regularly.

**Grade Grievance Policy:** Please refer to catalog.