

MAE 3309-001, Thermal Engineering, Spring 2007

Lectures: T Th 05:30-06:50 PM NH 229

Office Hour: M W 02:30-04:30 PM or by Appointment

1. Instructor: Wonkee Ahn, PhD
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3. Phone: 817-272-2017
4. Email: wkahn@uta.edu
5. Teaching Assistant TBA
6. Lecture WWW <http://www-woolf.uta.edu/mae3309-001>
Login:mae3309-001, Passwd:46heateng43

7. Required Readings/Materials:

Text: [Yunus A. Cengel, Introduction to Thermodynamics & Heat Transfer, McGraw-Hill](#)

You are expected to bring your textbook to every class. You will need it to look up thermodynamic tables during the lectures and exams

8. Course Description:

Basic concepts and definitions, properties of pure substance, work and heat, first law of thermodynamics, second law of thermodynamics, entropy, and introduction to conductive, convective, and radiative transfer.

9. Course Learning Goals/Objectives:

Basic concepts of Thermal Engineering.

10. Attendance and Drop Policy:

Attendance is required (Spot Check)

Specific Course Requirements with descriptions

1. Quizzes (number and type):

none

2. Examinations (number and type):

2 mid-term exams + final exam

3. Final Examination: Final Exam Comprehensive

4. Other Graded Assignments (Homework / Projects / Labs / Research Papers):

One homework set per week. Must be neat with staple pages. Late homework penalized by 10% per day. All homework that is obviously copied will receive a score of zero.

5. Missed Exams, Quizzes and Makeup Work:

No makeup exams unless arrangements are made in advance. No extra credit

assignments will be given.

6. Grading Format Weighting / Point Value of Assignments and Examinations:

Homework: 10%, 2 mid-term exams: 25% each, final exam: 35%, Attendance:5%

7. Other Information:

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)

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.