Heat Transfer- MEEN 3345 Fall 2013

Lecture Times: TR 2:00-3:15PM EN 214

Professor Information
TBA
Office Phone: TBA
Office Hrs: TBA
E-mail Address: TBA

Textbook

Course Description
This course is an introduction to heat transfer and covers conduction, convection, and radiation heat transfer. Calculus will be used to solve some of the heat transfer problems in this course. The course topics are:

(i) Basic concepts of heat transfer
(ii) Conduction
(iii) Conduction in cylinders and spheres
(iv) Finned surfaces
(v) Transient conduction
(vi) Forced and natural convection
(vii) Radiation
(viii) Emissivity and Kirchhof’s law
(ix) Heat exchanges

Course Outcomes

1. Students will gain an intuitive understanding of heat transfer concepts.
2. Students will learn to think creatively with initiative when confronted with an engineering problem.
3. Students will learn to write complete and logical solutions to the problems.

Evaluation
The methods of evaluation and the criteria for grade assignments are:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Test 1</td>
<td>25%</td>
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<tr>
<td>Test 2</td>
<td>25%</td>
</tr>
<tr>
<td>Final</td>
<td>40%</td>
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</tbody>
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Grading Scale: A = 100-90; B = 80-89; C = 70-79; D = 60-69; F = below 60
Class Policies
Student collaboration: Collaboration on homework is acceptable, but individual work on the homework submitted is expected. Although it will help many of you to understand the ideas better if you explain them to each other, you should also have the ability to perform independent work as is demonstrated in solving the homework problems. Calculations should be submitted in an organized and neatly presented form. Box the answers to each problem. All work, including the assumptions, must be shown. Appropriate units must be included on all answers. Pages are to be numbered and stapled at the upper-left corner.

Support Services For Students With Disability
Texas A&M University-Corpus Christi complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. If you suspect that you may have a disability (physical impairment, learning disability, psychiatric disability, etc.), please contact the Services for Students with Disabilities Office, located in Driftwood 101 (DW-101), at 825-5816.

Cell phone/Electronic Device Usage:
Neither cell phone nor electronic devices are allowed in the class as well as in the laboratory. Students are required to turn off cell phone and Electronic Devices before the class starts.

Academic Integrity/Plagiarism.
University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in class failure.

Dropping a Class
I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Friday, November 15, 2013 is the last day to drop a class with an automatic grade of “W” this term.

Grade Appeals
As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for
completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at http://www.tamucc.edu/provost/university_rules/index.html. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.

Disabilities Accommodations*
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call or visit Disability Services at (361) 825-5816 in Driftwood 101.