Syllabus
Heat Transfer
ENGR 135 – Fall 2017

This course is intended to provide students the basic principles and applications of heat transfer to engineering problems. The majority of the lectures will deal with the three modes in which heat is transferred, conduction, convection and radiation.

Course Objectives

After successful completion of this class, the students will be able to: 1) Understand the fundamentals of heat transfer processes occurring in natural and engineered systems and convey that understanding in course homework and exams. 2) Apply analytic procedures, numerical tools and problem solving abilities to heat transfer problems such as those assigned in course homework and exams. 3) Understand and perform experimental measurement techniques for heat transfer measurements as illustrated by written laboratory reports describing methods and results.

Instructor

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Pre-requisite

Thermodynamics and Fluid Mechanics

Lectures

Tuesdays & Thursdays 9:00 am – 10:15 am; CLSSRM 116

Office Hours

Lecturer Office Hour: Tuesdays 2:00 pm – 3:30 pm; SE2 276
TA Office Hour: TBA

Textbook

Fundamentals of Heat and Mass Transfer
Bergman, Lavine, Incropera & DeWitt
7th Ed., John Wiley

Grading

Homework	= 5%
1st Midterm	= 25%
2nd Midterm	= 25%
Final	= 35%
Lab Report	= 10%

Grades will be given using the ***Curved Grading*** system.

Homework will be assigned basically weekly. They will be posted on the CatCourses Mondays and due the following Monday. Late homework without a prior approval will not be accepted. Collaboration is encouraged, but the work that you turn in should be your own.

Exams will be held in class, and cover the cumulative materials covered prior to the exam.

Accommodating disabilities

The University of California Merced is committed to ensuring equal academic opportunities and inclusion for students with disabilities based on the principles of independent living, accessible universal design and diversity. **I share this commitment.** An integral part of this commitment is the coordination of effective academic access support services and other resources through UC Merced Disability Services (UCM DS).

UCM Disability Services is located on the second floor of the Student Services Building, Room 230. The e-mail address is disabilityservices@ucmerced.edu.

Academic integrity

Academic integrity is the foundation of an academic community. Academic integrity applies to research as well as undergraduate and graduate coursework. Academic misconduct includes, but is not limited to cheating, fabrication, plagiarism, altering graded examinations for additional credit, having another person take an examination for you, or facilitating academic dishonesty or as further specified in this policy or other campus regulations. For more information, please see UC Merced's academic honesty policy.
http://studentlife.ucmerced.edu/sites/studentlife/files/public/documents/academichonestypolicy.pdf

Violation of academic integrity in this course will result in zero credit for the associated home work and exams, for all involved.

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