San José State University
Mechanical Engineering Department
ME 114: Heat Transfer – Section 1, Fall 2018

Course and Contact Information

Instructor:	Prof. Crystal Han
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Office Hours:	Wednesdays 1:30-3:00 PM or by appointment
Class Days/Time:	Tuesdays and Thursdays, 1:30-2:45 P

Course Learning Outcomes (CLO)

By the end of the course, each student should demonstrate an ability to

1. Apply the heat diffusion equation to calculate temperature distributions and heat transfer rates in simple geometries.
2. Determine the variation of thermal conductivity between classes of materials (metals, ceramics, and polymers), phases of matter, and with temperature (and pressure for gases).
3.

Required Texts/Readings

Textbook

Heat and Mass Transfer: Fundamentals and Applications, by Cengel and Ghajar, 5th ed., McGraw-Hill.

Other Materials

Connect from McGraw-Hill. An access code comes bundled with the book from the bookstore. Connect will be used for practice problems for homework, quizzes, and exams.

If you want to check things out before buying anything, you can sign up for a two-week free access and then convert it later. Class website for Connect: http://connect.mheducation.com/class/c-han-me114-heat-transfer_han

Course Requirements and Assignments

Prerequisites

To enroll in this course, you must have complete ME113 and Math 133A

on due dates. Do not email the soft-copy (PDF or pictures) version of the homework. **<u>No late homework will be accepted in any case; however, the 2 lowest homework scores will be dropped.</u>** You may consider these assi

Getting the correct answer	10%
Using the correct units	10%
Using the correct equations…	40%
…in the correct way.	40%

If you attempt to solve a problem, I will try my best to give you partial credit. The more clearly you write your solution, the easier it is for me to do this. A good solution contains the following:

- Your name, date, and homework assignment number (when applicable).
- A summary of the problem statement (for homework problems).
- A drawing or illustration of the problem.
- A list of all assumptions.
- Equations written in symbolic form first, before plugging in numbers.
- The final answer indicated clearly, including units.

Grade Errors and Regrades

Clear grading errors (points added or recorded incorrectly) may be corrected at any time. Regrading (when you believe you deserve more points for something) may only be requested *a   d da* . To bring an error to my attention or request a

Academic integrity

Your own commitment to learning, as evidenced by your enrollment at San José State University and the University's Academic Integrity Policy (http://www.sjsu.edu/studentconduct/docs/Academic%20Integrity%20Policy%20F15-7.pdf), requires you to be honest in all your academic course work. Faculty members are required to report all alleged violations of the Academic Integrity Policy to Student Conduct and Ethical Development. Instances of academic dishonesty will not be tolerated. Cheating or plagiarism will result in a zero in the exam involving the instance of academic dishonesty and administrative sanctions by the University.

"SOS!"

Sometimes, life happens. If you are really struggling with the course material, and/or if something is going on outside of class that may significantly disrupt your studies (financial concerns, upheaval in your home life, physical or mental health issues, etc.), I will do everything I can to help you succeed. If I am personally unable to help you, I will direct you to the appropriate resource. I will maintain a list on Canvas of