Required Texts/Readings

Textbook

Thermodynamics: An Engineering Approach, by Cengel and Boles, 9th ed., McGraw-Hill, 2019. 7th and 8th editions and Ebook versions are OK too.The bookstore carries a cheaper shortened version of this text with chapters that we aren't using removed.

McGraw-Hill's homework system, "CONNECT" (3 Options). 1) If you purchased the textbook above at

enough time to complete this before the next exam. Time is especially critical for the second gateway quiz, which comes the week before the first exam.

Homework

Homework will be assigned every week, and it will be due the Wednesday of the following week by 5:00pm unless otherwise announced. Homework is

or better to pass the class. If you don't pass the first time, you will be allowed to revise and resubmit. However, the best grade you can get after resubmission is a C.
Any student caught plagiarizing on their essay or copying another student's EES model, or allowing another student to copy their model, will receive a "0" for the essay or EES problems assigned.

Exams

Two exams will be given in additional to the final exam. They must be taken on the scheduled dates except for documented emergencies (for example, you're ill and have a note from a doctor or the SJSU health center, were in a car accident on the way to class, or had a death in the family). If you have an un-avoidable scheduling conflict (such as travel for work or for a sports competition), arrangements must be made in advance. All work must be shown clearly on exams. The two mid-terms will be closed book except for the property tables and one page of notes (8.5"x11", one side only) for the first exam and two pages for the second. The final exam will be open book with no notes allowed. Bring your textbook to all exams. You are not allowed to share a textbook.

Extra Credit (Potential 5% of Grade)

During lectures "in class" or Learnsmart questions may be presented for you to complete. These are multiple choice questions that can be answered using an internet connected device (ie cell phone, laptop). Results are uploaded into CANVAS. Extra credit will be awarded based on a semester average of your responses/answers. If you do not respond to a question then you will not get any credit (so don't miss too many classes!).

>80% correct	5 points extra credit
60-79.9% correct	2 points extra credit
50-59.9% correct	1 point extra credit

If, for some reason, this system becomes unworkable during the semester, an alternate option for extra credit will be given. To get access to this system, please fill out this form during the first week of class:

We will start using this system after the add deadline for the class, which is Feb. 11.
Note: Extra Credit is limited at a 5% maximum for your grade.

University Policies

Academic integrity

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The University's Academic Integrity policy, located at http://www.sjsu.edu/senate/S07-2.htm, requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development websiteis available at http://www.sa.sjsu.edu/judicial_affairs/index.html.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without

Date	Topic	8th Edition reading
27-Jan	Syllabus Review, Basic Concepts, Pressure	Chapter 1
29-Jan	Forms of Energy, 1st law of Thermodynamics	2.1-2.8
3-Feb*	The Greenhouse Effect/ Essay Problem, Phase Changes, Property Diagrams	3.1-3.4
5-Feb	Property Tables	3.5
10-Feb**	Equations of State, Boundary Work	3.6-4.1
12-Feb	**Gateway Quiz 1 Property Tables**, Closed Systems, Specific Heat	4.1-4.4
17-Feb	Conservation of Mass, Flow Work, 1st Law for Steady Flow	5.1-5.4a
19-Feb	Steady Flow Processes and Devices	5.4