

Chemical Engineering Thermodynamics II

ChE 06315

Tuesdays 9:25 am – 12:05 pm, Rowan 340

Fridays 8:00 am – 9:15 am, Rowan 102

INSTRUCTOR: Dr. Mariano J. Savelski, Associate Professor
Department of Chemical Engineering
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TEXT: **Chemical, Biochemical, and Engineering Thermodynamics**
S. I. Sandler, 4th Edition, Wiley, 2006.

OFFICE HOURS

Students are welcome (and encouraged) to come as needed. If I am in my office and not on the phone or with another student, I will make time for you. At minimum, we will arrange a time to meet that will accommodate both of our schedules.

RESPONSIBILITIES

To succeed in this class, you should read the relevant material before coming to class, make a reasonable effort to do the assigned homework, hand in what you accomplish, and ask questions on points that you do not understand. I will lecture on points in the book and on supplemental topics, attempt to answer all serious questions, make myself available to anyone needing extra help, administer fair but demanding exams, and grade and return assignments in a reasonable time. All exams will be graded within a week.

INSTRUCTIONAL OBJECTIVES

1. Instructional objectives for Sandler Chapter 8 (p 336 of text)
2. Instructional objectives for Sandler Chapter 9 (p 399 of text)
3. Instructional objectives for Sandler Chapter 10 (p 489-490 of text)
4. Instructional objectives for Sandler Chapter 11 (p 575 of text)
5. Instructional objectives for Sandler Chapter 12 (p 658 of text)

GRADING: 2 exams	55%
Final Exam	30%
Homework/Labs/other class activities	10%
Class Participation and Professional Behavior	5%

ABSOLUTE GRADING SCALE

In this course we would like to create an atmosphere of positive cooperation between students. In addition, most of the exercises in this course will require you to work in teams and you will be expected to help each other learn the material. To encourage and support cooperative learning you will be graded on an absolute grading scale as given below. The net result is that it is in your interest to help your classmates become successful engineers. You will learn through teaching others.

Letter Grade ranges	Percentages between	
A	90	100
B	80	89
C	70	79
D	60	69

POLICIES

1. Regular attendance is expected as your class participation will be evaluated and graded. You are responsible for all material whether you are in class or not. If you will be absent, you should notify the instructor via email at least 24 hrs before class.
2. Students are expected to be ready for class at the beginning of the class period.
I have a zero tolerance policy to being late to class (including examination days)
No student will be admitted late as this constitutes a disturbance to class activities. If a student insists on walking in late, this behavior will result in a *grade of zero* for the Professional Behavior portion of the final grade.
3. Late work of any kind will not be graded.

HOMEWORK AND HOMEWORK GRADING

Individual/Team Homework will be periodically assigned. When individual homework is assigned each student will have to turn in his/her own complete homework on the due date to receive the 4 (four) points of homework baseline credit (partial work will receive NO baseline credit). Homework will NOT be accepted without the correct cover sheet (we will use the homework assignment sheet from Blackboard as cover sheet).

Occasionally, homework problems will be chosen and graded following the homework grading criteria (see below). Every student will be graded on the same chosen problems. The points obtained will be *in addition* to the 4 (four) points of baseline credit, **for example:** one problem is graded, the problem has two parts, part a) and part b), each part will be graded out of 4 points, you submitted your homework on time, therefore, you can get up to 12 points in that particular assignment.

Solutions will be scored according to the following scale:

- 4 points – Correct solution method, equations and tables properly cited, units clearly shown throughout the entire problem, and correct numerical answer.
- 3 points – Correct solution method, equations and tables properly cited, units clearly shown throughout the entire problem, and incorrect numerical answer.

- 2 points – Partially correct solution method, equations and tables properly cited, units clearly shown throughout the entire problem.
- 1 point – Incorrect solution method OR equations and/or tables are NOT all properly cited OR units are missing in two or more instances.

The grade received on all team assignments is a “raw score”. Raw scores will be adjusted according to each individual’s contribution to the overall team effort. Each team member will be evaluated by every member of the team, including him/herself. The adjusted score (not the raw score) will be used in calculation of course grades. Thus, the student who consistently demonstrates a higher level of effort may be rewarded. Likewise, the student who does not contribute substantially to team assignments may be penalized.

Please be aware that the adjustment of grades for team assignments can substantially impact the overall course grade, either positively or negatively.

At the end of the semester homework points will be added and normalized based on the maximum attainable points.

EXAMS

Two equally weighted exams will be given. *All exams are comprehensive with an emphasis on material covered since the previous exam.* A comprehensive final exam will be given during Finals Week. All exams will be **open-book only** (no other materials will be allowed) unless otherwise announced. Absence at examination time is excusable only in case of well-documented illness of the student or similar emergency. An unexcused absence from an exam will result in a zero grade on that exam.

If you feel that a test problem has been graded improperly (except for misadding points), you must resubmit the problem **within 72 hours** along with a **written** appeal and explanation. Upon receipt of this formal appeal, I will regrade the problem. This means that your score may go up or down.

PROFESSIONAL BEHAVIOR

All students are expected to behave professionally, unprofessional behavior includes but is NOT limited to, being late to class, walk in and out of class while in session, cell phone use/ringing in class, working on assignments foreign to the class, sleeping in class, disrupting the class, chatting in class, and horseplay.

ACADEMIC MISCONDUCT

Any student engaged in an act of academic misconduct, which includes but is NOT limited to, cheating, plagiarism, use of written or oral offensive language, tempering with other student’s files, and tempering with other student’s computer accounts, will receive a grade of **F** for this course. Depending on the nature of the offense, the student’s case may also be forwarded to the Dean of Students for University review.

If another student is knowingly involved in the offense, he or she will receive the same penalty.

STUDENTS WITH DISABILITIES: If you have a documented disability that may have an impact on your work in this class, please contact me. Students must provide documentation of their disability to the Academic Success Center in order to receive official University services and accommodations. The Academic Success Center can be reached at 856-256-4234. The Center is located on the 3rd floor of Savitz Hall.

IMPORTANT DATES

Date	Time	Room	Event
02-26	8:00 AM	ROW 102	Exam 1
04-09	8:00 AM	ROW 102	Exam 2
05-?	TBA	TBA	Final Exam

**WITHDRAW SIGNATURE SCHEDULE
FOR ALL COURSES**

Jan 26 to Mar 8 (W) Student, Professor
 Mar 9 to Apr 5 (WP/WF) Prof, Dept Chair
 Apr 6 to May 8 (WP/WF) .. Prof, Dept Chair, Dean