

052:117 Intermediate Thermodynamics

Fall 2011

Instructor: Gary Aurand, 3324 SC, 384-0970, gary-aurand@uiowa.edu

TA: Haihan Chen, 235 IATL, haihan-chen@uiowa.edu

Office Hours: Tu 2:00-3:00 pm in G138 SC

Th 2:00-3:00 pm in 4505 SC

Lecture: 12:30-1:45 Tu & Th, 4030 SC

Textbook: Tester, J.W., Modell, M., *Thermodynamics and Its Applications*, 3rd ed., Prentice-Hall, 1997.

Topics: The course covers topics in classical thermodynamics, approximately following the sequence in the textbook listed above. The textbook table of contents can be viewed at <http://web.mit.edu/testerel/thermo/contents.html>. The covered topics generally coincide with textbook Chapters 1-9 and 15-16.

ICON: Log in at <https://icon.uiowa.edu/>.

Homework: Assignments will be given regularly. Homework will consist of problems in the textbook and/or problems from the instructor. Homework assignments will be communicated via ICON, and submissions should be made to the appropriate ICON dropbox by the availability deadline. Discussion of homework problems with other students in the class and/or working in groups is not only acceptable, but encouraged. Engineers in industry and academia are generally expected to work as a team. This is a good way to develop that team concept, learn from each other, and put in fewer hours on homework. Feel free to work together; however, direct copying of an assignment in part or in total is not allowed. A zero will be given to each assignment that is deemed to have been copied.

Exams: Three in-class exams and a final exam are planned. The number of exams and/or the exam schedule are subject to change. Cheating on an exam may result in an "F" in the course.

Grading:	Homework	30%
	In-Semester Exams	45%
	Final Exam (Friday, December 16, noon)	25%