

## ENGR 2240 – THERMODYNAMICS

Fall 2008

Syllabus

*Instructor:* Bill Saari

*Office:* S 203

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*Office Hours:* MWF 12-12:50, T/H 11-11:50

*Course Website:* <http://www.ar.cc.mn.us/saari/engr2240>

*Course Description:* Topics include properties, equations of state, energy transfer, energy and mass conservation, entropy, reversible/irreversible systems, power systems, refrigeration and heat pump systems.

*Pre-requisites:* CHEM 1061, Math 1400 or concurrent enrollment

*Textbook:* Fundamentals of Engineering Thermodynamics, 6<sup>th</sup> Edition, by Moran and Shapiro

*Grading:*

5 Exams: 5 x 20% = 100%

A > 90%, B > 80%, C > 70%, D > 60%, F < 60%

*Exams:* Exams will be closed book, closed notes. Exam 5 will be during the final exam week, but will **not** be cumulative. There will be no make-up exams except under extreme cases determined at the discretion of the instructor, and only one make-up exam will be allowed. In order to be even considered for a make-up exam, you must contact me on or prior to the scheduled date for the exam.

*Homework:* Homework will be assigned on a regular basis. Homework will not count towards your grade, but it is critical that you do all of the homework problems. You can submit your homework to me if you would like feedback on your work.

*Academic Dishonesty:* You are encouraged to work with others in the class. However, I expect the work you submit to be your own efforts. Instances of academic dishonesty will be dealt with according to the regulations of Anoka-Ramsey Community College.

*Class Conduct:* You are expected to be courteous towards the instructor and your classmates. Class disruptions include: arriving late for lecture, talking during lecture with other students, and cell phones not turned off during lecture. These and other class disruptions will be dealt with in accordance with the Student Handbook.

### Tentative Course Schedule

Week of	Monday	Wednesday	Friday
Aug 25	Ch 1	Ch 1	Ch. 2
Sep 1	<b>No Class</b>	Ch 2	Ch 2
Sep 8	Ch 2	Ch 2	Ch 3
Sep 15	Ch 3	<b>Exam 1</b>	Ch 3
Sep 22	Ch 3	Ch 3	Ch 3
Sep 29	Ch 4	Ch 4	Ch 4
Oct 6	Ch 4	Ch 4	Ch 4
Oct 13	Ch 5	<b>Exam 2</b>	<b>No Class</b>
Oct 20	Ch 5	Ch 5	Ch 5
Oct 27	Ch 5	Ch 6	Ch 6
Nov 3	Ch 6	<b>Exam 3</b>	Ch 6
Nov 10	Ch 6	Ch 6	Ch 6
Nov 17	Ch 6	Ch 6	Ch 8
Nov 24	Ch 8	<b>Exam 4</b>	<b>No Class</b>
Dec 1	Ch 8	Ch 9	Ch 9
Dec 8	Ch 10	Ch 10	Ch 10
<b>Exam 5: Thursday, December 18, 11:50am-1:50pm</b>			