

**ES 340 – Thermodynamics  
2004 Summer Session I**

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Course Page: <http://www.clarkson.edu/fluidflow/kam/courses/es340/index.html>

Textbook: Moran, J.M., Shapiro, H.N., *Fundamentals of Engineering Thermodynamics*, 5<sup>th</sup> ed., John Wiley and Sons, Inc., 2004.

Grades: Course grades will be based on weekly quizzes and final exam. There will be no make up quizzes. Homework problems will be assigned and are recommended for students to work through but, will not be collected or graded. It is the responsibility of the students to review these problems as necessary. One class period per week will be primarily used for discussion of homework problems.

Important Dates:

May 25:	Quiz 1 (from course material),	10%
June 2:	Quiz 2 (computer program),	15%
June 8:	Quiz 3 (from course material),	10%
June 15:	Quiz 4 (from course material),	15%

June 19, Final Exam, 50%

Textbook Sections:

Week-1 (May 17 – May 21): 1.1-1.6, 2.1-2.6

Problems: 1.29, 1.32, 1.49, 2.17, 2.25, 2.31, 2.57, 2.70, 2.75

Week-2 (May 24 – May 28): 3.1-3.8, 4.1

Problems: 3.3, 3.10, 3.28, 3.39, 3.61, 3.72, 3.84, 3.96, 3.109, 4.5, 4.6

Week-3 (June 1 – June 4): 4.2-4.4, 5.1-5.4

Problems: 4.18, 4.35, 4.42, 4.68, 4.78, 4.100, 5.15, 5.26, 5.29, 5.41

Week-4 (June 8 – June 11): 5.4-5.6, 6.1-6.4

Problems: 5.47, 5.55, 5.64, 6.2, 6.9, 6.23, 6.31, 6.50, 6.67

Week-5 (June 15 – June 17): 6.5-6.9, 9.1-9.3

Problems: 6.94, 6.104, 6.133, 6.140, 6.157, 9.3, 9.11, 9.14, 9.17, 9.23, 9.29