

ME 2320 Thermodynamics I

Course: ME 2320, Thermodynamics I
Semester: Spring 2011
Class Hour: Monday, Wednesday: Friday 8:30 – 9:20 am, Room C-123 Parkview campus.
Instructor: Dr. Christopher Cho, Professor, P.E., Dept. of Mechanical / Aero Eng., WMU
Website: homepages.wmich.edu/~cho
Office: Room F-236, Parkview campus
Office Hrs: Mon, Wed,: 9:30 – 10:20 am, 4:00 – 4:20 p.m
Text: “Thermodynamics”, 7th edition, by Yunus Cengel and Michael Boles. McGraw-Hill.

Topics to be covered

1. Ch 1: Introduction and Basic concepts
2. Ch 2: Energy, Energy Transfer, and General Energy Analysis.
3. Ch 3: Properties of pure substances
4. Ch 4: Energy Analysis of Closed System
5. Ch 5: Mass and Energy Analysis of Control Volumes
5. Ch 6: The Second Law of Thermodynamics
6. Ch 7: Entropy

GENERAL CLASS POLICY

1. "Make-up test will not be provided, and the missed test will be graded as "zero." If a student misses a midterm test due to medical reason, the missed test will be transferred and credited toward the Final Examination: (For example if you missed the second mid-test for a medical reason, the final examination will be counted as 20% + 30% = 50% of the total grade.)
2. Homework problems are due at the beginning of each class, and absolutely no credit will be given for the late homework. Please prepare your homework solutions in engineering papers according to the guideline and staple them. HW copied from the solutions manual is graded as “zero”(entire set).
3. No computer usage is allowed during the class hour.

TEST AND GRADING POLICIES :

GRADING SCALE: A: above 90.0 %, BA: 85.0 -89.9 % B: 80.0 - 84.9 % CB: 75.0 - 79.9 %
C: 70.0 - 74.9 %, DC: 65.0 - 69.9 %, D: 60.0 - 64.9 %, E: below 60.0 %

Test and HW points: 1st mid Test; 20%, 2nd mid test; 20%, 3rd mid test; 20%, Final Exam; 30%,
HW; 10%, Total :100%

Final Exam: April 28th (Thursday), 2011, 8:00 – 10:00 a.m. by the WMU final exam schedule.