

ME 343 Mechanical Lab I (Fall 2007)

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MEC 313

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----- Rules of the Game -----

(1) **Grade Calculations**

50% Lab Report (5) and Class Attendance (14)

- Lab attendance is required for each lab experiment! More than 1-hour delay is considered as absence. Makeup may be allowed, with TA's supervision (\$20/hour for TA's supervision as a personal tutor).
- Class attendance is required (20% of Lab grade). You will be marked absent, if you are more than 30 minutes late.

20% Homework (5) and Lab Abstract (1)

15% Mid-term Examination (1)

15% Final Examination (1)

Final Grade is based on the total grade.

In general, "A" above 91%; "F" below 61%.

(2) **Lab Report Requirement**

The lab reports are due in class—one week after the lab is completed. All lab reports must be submitted on time. If the report is not submitted on time, you will lose 30% marks. Group discussion is encouraged, but you *must* write your own report. If you are not satisfied with your grade on a lab report, you can resubmit it. The final grade will be the average of the grades on the resubmitted and original reports.

(3) **Homework and Lab Abstract Requirements**

- (a) **Five Assignments** will be given, with 3-4 problems per assignment.
- (b) Assignments are due biweekly, one week after they are assigned.
- (c) Late submission will be accepted, but will be given a 50% grade deduction.
- (d) Homework grade is based on "effort" rather than "correctness".
- (e) Homework will be returned in about one week.
- (f) **One-session lab** (Acoustics and Noise Control) will be performed. A 2-page lab abstract/summary is required.

(4) **Mid-term/Final Exam Requirement**

- (a) A 1.5 hour mid-term exam will be given, mainly covering topics of Uncertainty Analysis, Filtration Theory, and Theory for Temperature Measurement.
- (b) A 2.5-hour final exam will be given, mainly covering topics of Strain-gage Theory, Theory of Flow Measurement, PLC & PID Control Concept, and Theory of Acoustics Measurement.
- (c) All exams are open book and notes.