ME 343 Mechanical Lab I

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----------------------- Game Rules ------------------------

(1) Grade Calculations

10% Class Attendance (14)
- Class attendance is required. More than 30-min delay will be considered as absence.
- Excuse is only granted for sick (doctor’s note), jury duty, and military service.

45% Lab Report (3; 10% each) and Lab Abstracts (3; 5% each)
- Lab attendance is a must for each lab experiment! More than 1-hour delay is considered as absence. Absence leads to invalidation of lab reports.
- Makeup may be allowed, with TA’s supervision ($20/hour for TA’s supervision as personal tutorship).

15% Homework (5; 3% each)

15% Mid-term Examination (1)

15% Final Examination (1)

Final Grade is based on the total grade.
In general, above 90% guarantees an “A” grade and below 60% will result in an “F” grade.

(2) Lab Report/Abstract Requirement

All reports should be individually completed and submitted before due. Group discussion is encouraged but not for “Group Report”. For identical reports or very similar reports, the grade is divided by the number of students involved.
- Lab report must follow the formal report format (see lecture notes).
- Lab abstract should follow the extended abstract format (see lecture notes).

(3) Homework Requirements

(a) Assignments are due biweekly, no later than Thursday (lab day) of the due week.
(b) Homework grade is based on “efforts” rather than “correctness”.
(c) Homework solutions will be explained in class, typically in the following week of due.

(4) Late Submission and Resubmission

- Late submission will be accepted, with a 50% grade deduction.
- For resubmission, the final grade will be the average with the original grade.

(5) 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.