ME 343-101 Mechanical Lab I

Instructor: Prof. Trivikrama Reddy; 1-862-221-0860; e-mail: trivikrama.b.pala@njit.edu

Office hours: Thru email and prior appointment (5:00 to 6:00 PM on Thursday)

----------------------- Class Rules -----------------------

(1)   Grade Calculations

45% Lab Report or Extended Abstract (2; 10% each) and Lab Abstracts (4; 5% each)
- Lab attendance is a must for each lab experiment! More than **30-min** delay is considered as absence. <u>Absence leads to invalidation of lab reports</u>.
- Makeup may be allowed, with TA's supervision, by paying 20US$/Hour to TA. <u>only for cases of jury duties, illness and military services (with dean's approval)</u>.

10% Homework and attendance (6; 1.67% each)
20% Mid-term Examination (1)
25% Final Examination (1)
Some bonus points will be added in the Lab.

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 (**<u>such incidence will be reported to the department for record keeping</u>**).
- Lab report must follow the formal report or abstract format (see lecture notes).
- Lab grade will be given based on the grading guideline of individual lab contents.

(3)   Homework Requirements

(a) Assignments are due on **Thursday** of the due week; with no late or resubmission.
(b) Homework grade is based on "completeness", not necessarily on "correctness".

(4)   Late Submission and Resubmission of Reports

- Late or resubmission will be accepted, with a 50% grade deduction.
- The final grade will be the average with the original grade.
- Only one late or resubmission is allowed for each assignment.

(5)   Mid-term/Final Exam Requirement

(a) A 1.5 hour mid-term exam will be given, mainly covering topics of Data Analysis and Theories for Speed, Signal Conditioning and Temperature Measurements.
(b) A 2.5-hour final exam will be given, mainly covering topics of Strain-gage Theory, Theory of Flow Measurement, PLC, Theory of Acoustics Measurement, and Signal Conditioning.

<u>**NOTE: All the above items may be subject to change as per instructor's discretion. (For example, the Grading Scale may be adjusted to reflect the class average.)**</u>

NJIT STUDENT HONOR CODE   THIS WILL BE STRICTLY ENFORCED.