

California State University, LA
Department of Electrical and Computer Engineering
Fall 2005

EE 468 Control Systems Laboratory

Prerequisite: EE 360. Analysis and Design of Fundamental Controls System
by model and full Scale Construction in lab.

Time & Room: Monday 6:10 - 9:00PM E&T C-156

Instructor: K. Rad

Office Hours: E&T A316 Tep: 343 - 5893

References: "Modern Control Engineering", K. Ogata, Prentice Hall.

Tentative Schedule

Week No.	Exp. No.	Title
1	-----	Introduction to Course
2	1	Torsional Plant
3	2	Torsional Plant
4	3	Torsional Plant
5	4	Torsional Plant
6	1	Inverted Pendulum
7	2	Inverted Pendulum
8	3	Inverted Pendulum
9	1	Rectilinear Plant
10	2	Rectilinear Plant
11	FINAL EXAM	Wednesday June 8- 7:30 – 9:30 PM

A NOTE :

- 1. Read through the experiments and make tentative your data before coming to class.**
- 2. Do preparatory exercises before coming to class.**
- 3. All reports are due one week after the experiment is completed. (NO reports will be accepted after the due date**

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Laboratory Reports

The reports shall consist of :

- 1. A title page, including the name and purpose of the experiment.**
- 2. The original data sheet.**
- 3. Tabulated data and results.**
- 4. Sample calculations.**
- 5. Results shown graphically. ***
- 6. Conclusion: That considers and explains deviations of the measured from specified values. Also in the conclusion, list practical applications for the circuit.**
- 7. Answer to questions.**
- 8. Preparatory exercises**

Weighing of Eamination and Reports:

EE 468

K. Rad

- a) Reports.....55%
- b) Final Exam.....30%
- c) Attendance & Performance.....15%

Grading Scale: You final grade in the class will be based on the following approximate grading scale. The actual latter grade divisions will be slightly upward or more probably downward depending on the distribution of numerical scores in class.

A	: 93 - 100	C+	: 76 - 79	D-	: 50 - 52
A-	: 90 - 92	C	: 64 - 75	F	: BELOW 50
B+	: 88 - 89	C-	: 60 - 63		
B	: 83 - 87	D+	: 58 - 59		
B-	: 80 - 82	D	: 53 - 57		

Final Exam: Only one 3 by 5 inch sheet of formulas is allowed.