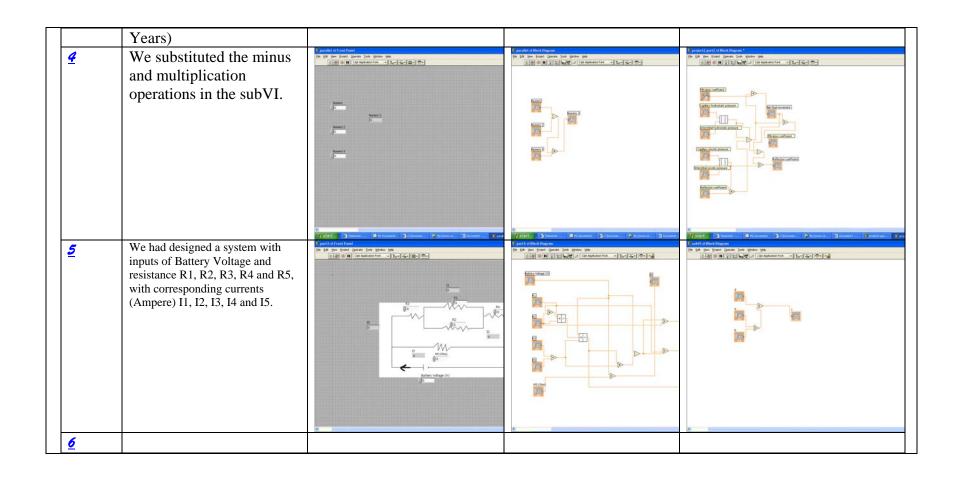
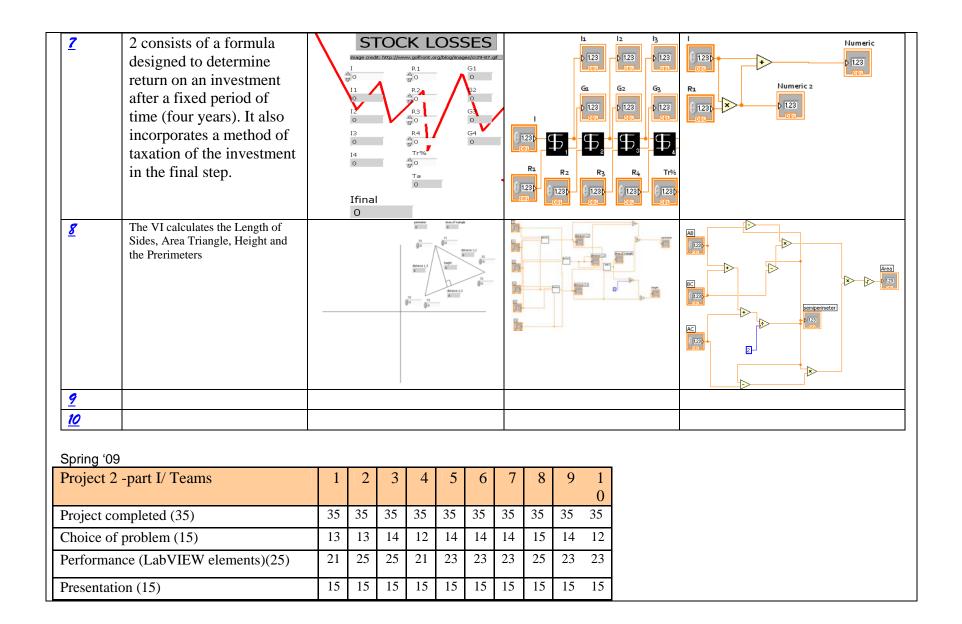
Engin 103	Topics:
April 9, 2009	Project 2 Part II Presentations
	Estimations
back to e-syllabus	<u>Logbook questions</u>

Project 2 Part II Presentations Insert a snap shot of the Front Panel. Insert a snapshot of the Block Diagram of Brief descriptions of your Insert a snap shot of the Block Team Resize the figure to a height of 2in Diagram. Resize the figure to a the most important sub VI. Resize the VI presented in part II height of 2in figure to a height of 2in An electrical system with two batteries and parallel resistances. We will solve for the three currents along the resistances. Loop 1 R1(Ω) R2(Ω) Node B <u>3</u> Our VI is a population calculator for the United States of America. The equations that we used are, Ln(2)/rate of increase. Population = CurrentPopulation (Rate of Increase - Rate of Decrease)^(Number of





Webpage (10)										
Total part I (100)		88	89	83	87	87	87	90	87	85
Project 2 -part II/ Teams	1	2	3	4	5	6	7	8	9	1 0
Project completed (35)	35	35	35	35	35	35	35	35	35	35
Choice of problem (15)	15	14	15	12	12	14	15	15	12	14
LabVIEW elements and subVI's (25)	15	23	25	17	23	23	25	25	20	23
Presentation (15)	15	15	15	15	15	15	15	15	15	15
Webpage (10)										
Total part II(100)	80	87	90	79	85	87	90	90	82	87
Total Project 2 Pres. (200)	164	175	179	162	172	174	177	180	169	172

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Estimation

HW₃

Mass of air through your lung each day:

- -Start with some fact: air density (in SI units: kg/m³)
- -Estimate volume of thorax cavity (how? approximate by a rectangular chamber whose volume is length*width*depth)
- -Estimate how many times you breathe in per minute, then per a day

...

Number of books checked out at Healey Library a week:

-Fact: number of students, zooming in on which students would check out books from the library

book		
back back		
Dack		
back		

LOGBOOK: example of a logbook page

- -Use a quadrille notebook; number all pages; date all entries
- -Write your notes for all activities, thoughts, problems and solutions, and learning conclusions related to Engin 103. You should write down progress, outcomes, and conclusions on projects and teamwork; conclusions from class work (including LabVIEW) and homework.
- -In addition you should answer in the logbook all questions listed in these notes in blue, as shown below:
- 37) Explain any similarity between a sub-VI and a "super-operator". What are the advantages and disadvantages of using a "super-operator" a)in computer programming b) in mathematics
- 38) Insert a snapshot of the Front Panel and Block Diagram of your team VI for Part II of Project 2, explain why the different elements were used. Also do the same for any sub-VI created and used in Part II.

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