Course Name SPST: FUNDAMENTALS ELECTRICAL ENGR	YEAR	Area					Check	any tha	t apply			
CEE No. ECE299	2005							5	,			
Instructor Morris		CEE C	Dutcon	nes								
 INSTRUCTIONS: For convenience, the course lectures are divided into the 10 weks of the term. Enter key topic areras for each week of the term. For each week, identify any of the 13 outcomes that are addressed by the lecture materials in that we each relevant outcome (A-M) go the corresponding cell and assign a number between 1 and 10 that ref relative emphasis placed on that outcome area such that the total points assigned for each week adds to To make this task easier, the "Pt Total" box (light blue box with red text) keeps track of the points you have signed. When you have finished with lecture topics for all 10 weeks the cumulative point total (dark blue box text) should display 100. The relative emphasis on each outcome area in course lectures is is shown by numbers under the "A-K" columns to the right of the 100-point total. Now consider the outcome areas that are addressed by weekly or other regular class assignments. I provided for up to 10 such assignments but the spreadsheet can handle any number between 1 and 10. enter the total number of assignments in the yellow box, as indicated. As with the lecture topics, assign a total of 10 points among the "A-K" outcome cells. The "Pt Total" b again keeps track of your tally. The bottom row and the cumulative-point box (dark blue) are normalized number of assignments to once again add up to 100 points when the form is correctly filled out. Fast with the process for any final projects, labs or other special assignments. The spreadsheet up to two. If more rows are needed, inspect the cell formulas and cut and paste as needed. If you have contact me and I will revise the spreadsheet 	ek. For lects the up to 10. ve with yellow the Rows are To do this, ox once to the t accepts trouble,	Apply mathematics, science and engr. principles	Ability to design & conduct experiments & interpret data	Ability to design syst., component or process to meet desired need	Ability to function on multidisciplinary teams	Ability to identify, formulate and solve engr. problems	Understanding of professional & ethical responsibility	Ability to communicate effectively	Broad education to understand the impact of engr. solutions in global con	Recognition of need & ability to engage in lifelong learning	Knowledge of contemporary issues	Ability to use techniques, skills & modern engr. tools for engr. practice
Week Topics Covered in Lectures During this Week	Pt Total	А	В	С	D	Е	F	G	Н	Ι	J	К
Voltage, current, power, sources, resistance (Ch 1/2)		2		2	2	2						2
2 Resistive circuits (Ch 2); inductance & capacitance (Ch3)		2		2	2	2						2
3 (MLK vacation); transients (Ch4)		2		2	2	2						2
4 Sinusoidal signals and circuit analysis (Ch 5)		2		2	2	2						2
5 Frequency response, Bode plots, resonance (Ch 6)		2		2	2	2						2
6 Diodes, diode circuits (Ch 10)		2		2	2	2						2
7 Op amps (Ch 14)		2		2	2	2						2
8 Magnetic circuits, transducers, transformers (Ch 15)		2		2	2	2						2
9 DC & AC motors (Ch 16 & 17)		2		2	2	2						2
10 MOSFET & CMOS (Ch 12); instrumentation (Ch 9 & 11)		2		2	2	2						2
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Weekly Assignments Enter TOTAL No. OF ASSIGNMENTS here =>	9											
	Pt Total	А	В	С	D	Е	F	G	н	Т	J	к
1 Voltage, current, power, sources, resistance (Ch 1/2)		2		2	2	2						2
2 Resistive circuits (Ch 2); inductance & capacitance (Ch3)		2		2	2	2						2
3 (MLK vacation); transients (Ch4)		2		2	2	2						2
4 Sinusoidal signals and circuit analysis (Ch 5)		2		2	2	2						2
5 Frequency response, Bode plots, resonance (Ch 6)		2		2	2	2						2
6 Diodes, diode circuits (Ch 10)		2		2	2	2						2
7 Op amps (Ch 14)		2		2	2	2						2
8 Magnetic circuits, transducers, transformers (Ch 15)		2		2	2	2						2
9 DC & AC motors (Ch 16 & 17)		2		2	2	2						2
10												

Final Project/Other Special Assignments Enter TOTAL No. OF ASSIGNMENTS here =>	2							\bigtriangleup					
	Pt Total	А	В	С	D	Е	F	G	Н	I	J	К	
1 10 single topic quizzes (weekly, with #9 & #10 done with final exam)		2		2	2	2			0			2	
2 Final exam (modelled on the FE exam, and covering FE topics)		2		2	2	2			\bigtriangledown			2	

	LAB Assignments	Enter TOTAL No. OF ASSIGNMENTS here =>	8]										
			Pt Total	А	В	С	D	Е	F	G	Н	I	J	K
1	1													
2	2 DC (resistor) circuits			1	4		1	1						3
3	3 Transients			1	4		1	1						3
4	AC circuits			1	4		1	1						3
5	Frequency response			1	4		1	1						3
6	Diode and diode circuits			1	4		1	1						3
7	Op amp applications			1	4		1	1						3
8	3 Transformer			1	4		1	1						3
g	DC motor			1	4		1	1						3
10)													