

COE 201
Computer Proficiency
Lebanese American University
School of Engineering and Architecture
Assignment #2 *Spring 2013*

Spreadsheets

Question 1:

[35%]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2	Assignments										Attendance														
3	ID	Name	1	2	3	4	5	6	Total	1	2	3	4	5	6	7	8	9	10	Total	Final	Final Grade			
4	200400001	John Doe	76	66	98	70	87	67	77.3	Y		Y	Y	Y	Y		Y	Y	Y	80	79	78.43			
5	200400002	Jane Doe	93	90	66	73	92	94	84.7	Y	Y	Y	Y	Y	Y	Y			Y	90	87	86.37			
6	200400003	Tim Smith	97	62	88	76	62	62	74.5	Y					Y	Y			Y	50	95	82.30			
7	200400004	Tina Smith	79	89	81	87	72	72	80.0		Y	Y	Y	Y			Y	Y	Y	70	72	75.00			
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17			Assignments	40%																	Class Average:	83.25	80.53		
18			Attendance	10%																					
19			Final	50%																					

1. Type in the following table referred to by the above figure, in a new Excel book. Make sure that you follow the same format (borders, shading...)
2. The yellow columns/cells are supposed to be filled with the right formulas or functions to calculate the values shown.
3. After completing the first two steps add the below to sheet2 of your workbook:

Enter ID	Name	Total of HW	Total Attendance	Total Grade

The yellow cells of this table should be filled with the relative **functions**, so that when an ID is entered in the white cell, the other cells will display the information relative to that ID.

Example:

- If I enter the ID= "200600001" I should directly see the following:

Enter ID	Name	Total of HW	Total Attendance	Total Grade
200400001	John Doe	77.3	80	78.43

Question 2:**[30%]**

Given the following information:

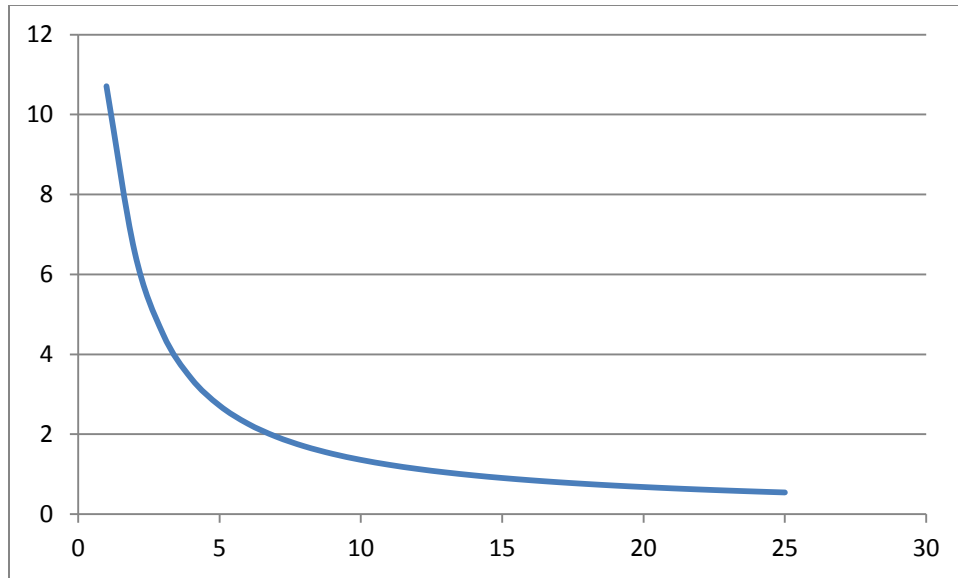
Name	Grade	Raise	Final Grade
Smith1	76	1.9	77.9
Smith2	46	1.15	47.15
Smith3	55	1.375	56.375
Smith4	82	2.05	84.05
Smith5	41	1.025	42.025
Smith6	66	1.65	67.65
Smith7	75	1.875	76.875
Smith8	58	1.45	59.45
Smith9	68	1.7	69.7
Smith10	71	1.775	72.775
Raise Value	2.50%		
Average	65.395		

- 1) Write in sheet2 the above table.
- 2) Write the function for the Raise and Final Grade fields.
- 3) You need to determine the raise value that would result in an average of 75/100. (The Raise and Final Grade field should automatically change when Raise Value changes).

Question 3:**[35%]**

In Sheet3 of this book, plot the function $y = \frac{5}{x} e^{\tanh x}$ on an x-axis/y-axis using 25 points to guide the curve.

Hint: the curve will look as follows. Make sure that you also change the format as shown in the figure below!



Deliverables:

- Save the document with your “FirstName_LastName_ID”
- Submit the document online with subject “HW2”

Due Date:

- March. 18, 2013