

MTH 154: Project 1 – Calculating Your Grade

Project Directions:

In this project you will create a spreadsheet which keeps track of your grade in this Math 154 class. In addition to simply recording all of your grades for the course, it will provide you with a “running tally” of how you are doing in the course at any point in time during the semester.

1. What does “running tally” mean? To help you understand this, compute the grade of a student with an 82 MyMathLab Homework average, 84 Activities average, 73 Quiz average, a 92 on Project 1 and a 93 on Test 1 (label the cell sample student average). Use the syllabus to determine the appropriate weights for each category and enter a formula in a spreadsheet to compute their grade. Re-compute their grade assuming they get a 95 on Project 2. Insert a textbox into the spreadsheet and record both grades in the textbox. Are you surprised by their grades? Explain what weights dominate at this point in the semester.
2. Create a new sheet (tab) in the spreadsheet from part 1 which will allow you to enter all of your grades for this Math 154 course. Enter all your current grades for MyMathLab Homework, Activities, Quizzes, and Tests you already have. Enter a grade of 90% for Project 1. There should be nicely labeled spaces for all of the following work:
 - ❖ Assume there will be 31 MyMathLab Homework assignments.
 - ❖ Assume there will be 6 Activities.
 - ❖ Assume there will be 6 Quizzes.
 - ❖ There will be 2 Projects.
 - ❖ There will be 3 Tests.
3. Create cells which will compute the average MyMathLab Homework grade, average Activities grade, average Quiz grade, average Project grade, and average Test grade. Name these cells appropriately.
4. Create cells which will count the number of MyMathLab Homework grades entered so far, count the number of Activities grades, and count the number of Quiz grades. Name these cells appropriately.
5. Create cells which will compute the max and min grades for each of the 5 categories: MyMathLab Homework, Activities, Quiz, Project, and Test.
6. Create a Column Chart of your MyMathLab Homework grades, Activities grades, and your Quiz grades (put all on one chart). The chart should update as you enter new scores.
7. Format all of this nicely with borders and shading.
8. Create a cell which computes your total grade using the ideas of weighted average. This formula must be linked to all of your input cells, so when you enter a grade it automatically updates. You may use the average for the categories as counting for the full weight of that category.
9. Create a cell which computes the highest possible average you can get in the class. Assume your MyMathLab Homework, Excel Homework, Workbook, and Quiz averages are fixed (use the averages on the sheet) but you should assume that you get a 100 on all projects and remaining exams.

Reflection:

The reflection must be completed in Canvas. “Module 2: Part 2 - Project 1 – Reflection – Requires Respondus LockDown Browser + Webcam.

Project due date: _____

Grading:

Grade Calculation Sheet	80 pts
Reflection	20 pts

Rubric:

Excel File	9 Points	7 Points	3 Points	0 Points
Running Talley Calculation and Explanation		Correct calculation and questions are thoroughly answered.	Incorrect calculation or questions are not thoroughly answered.	Incorrect calculation and questions are not thoroughly answered.
Spreadsheet with Space for all Grades	Each individual entry properly displayed and labeled.	Missing one to three entries and/or labels.	Missing four to six entries and/or labels.	Missing one to three entries and/or labels.
Averages by Category	Each properly displayed and calculated.	One missing or incorrectly calculated.	Two are missing or incorrectly calculated.	More than two are missing or incorrectly calculated.
Grade Counts		Each properly displayed and calculated.	One missing or incorrectly calculated.	More than one is missing or incorrectly calculated.
Max and Min Grade Calculations		Each properly displayed and calculated.	One missing or incorrectly calculated.	More than one is missing or incorrectly calculated.
Column Chart	Completely labeled, including axes, title and legend. Accurately reflects the data.	The chart is missing a legend or one of the axis has not been labeled.	The chart is missing two or more labels or legend.	The chart is missing two or more labels or a legend and the chart does not accurately reflect the data.
Total Grade Calculation	The total grade is computed correctly and updates to additional and modified individual entries.	Single error in computing the total grade or single entry modification does not update the value.	Two errors in computing the total grade and/or two entries modification does not update the value.	Multiple errors in calculation and/or modifications do not update the total grade.
Highest Grade Calculation		Correctly calculated.	Minor error.	Incorrectly calculated.
Entering Current Grades		Correctly completed.	Missing one or one is incorrect.	Several are missing or incorrect.
Formatting and Labeling	Labeling, Layout, Borders, Background color, Font, Font size, and Font style all work to enhance the spreadsheet. Spreadsheet layout makes any and all items easy to locate.	Labeling, Layout, Borders, Background color, Font, Font size, and Font style mostly effective but there is some visual confusion about the layout. Some hunting is required to locate a specific item.	Noticeable visual confusion about the layout. Some hunting is required to locate several specific items.	There is a great deal of visual confusion about the layout. Most items are mislabeled or vaguely labeled and a great deal of hunting is required to located most items.
Reflection	10	7	3	0
Paragraph I	Reflection is well written in organization and grammatical structure. Demonstrate both deep thought and comprehensive overview of the project.	Reflection is written with poor organization or lacking grammatical structure. Demonstrate some thought and comprehensive overview of the project.	Reflection is written with poor organization and lacking grammatical structure. Demonstrate little thought and no overview of the project.	No reflection submitted
Paragraph II				