

Evaluation Exercise Guidelines

PHYS 310 – *Readings for Teaching High School Physics*

In this exercise you will apply what you have learned about evaluation – assigning value to a cumulative set of scores in a grade high school physics course gradebook. The dataset can be found in the Excel file “Grade Book Exercise Data Set.xlsx.”

1. Note the following information about **Method of Evaluation** given in a syllabus for a high school physics course:

Method of Evaluation:

<i>Evaluation Method</i>	<i>Points</i>
Reading Quizzes	100
Exams (5 at 100 points each)	500
Homework	100
Laboratory Assignments	150
Capstone Project	<u>150</u>
Total Points	1,000

Grading Policy:

- ≥90% of total points will guarantee a grade of at least A
- ≥80% of total points will guarantee a grade of at least B
- ≥70% of total points will guarantee a grade of at least C
- ≥60% of total points will guarantee a grade of at least D
- <60% of total points will guarantee a grade of at least F

2. Your task is to assign individual letter grades based upon the grading policy using the Excel data set provided. Note well that work is weighted, and that the various types of assessment contribute differently to produce the final score. Generate final grades based upon the final score and the above method of evaluation. (Convert percentages into raw points as appropriate.)
3. Determine individual grades using a conditional approach, not merely eyeballing the scores. See <http://www2.phy.ilstu.edu/ptefiles/302%20projects/excel.html> See point 3ff.
4. Calculate the class Grade Point Average (GPA) for the class based using the following criteria: A = 4, B = 3, C = 2, D = 1, and F = 0 points. As the course instructor if you do not know how a GPA is calculated.