Math 152 – Spring 2016 – Calculating Your Course Grade

The components of the course grade are:

In-class group assignments = 20% of course grade. There will be a total of 18 of these. Of these, the lowest four will be dropped (to account for some who had to miss class for whatever reason) so to obtain your grade for this, add up your scores for the highest 14 of these assignments and divide by 28 (since each are scored a maximum of two points), multiple by .2 and call this a.

Matlab Projects = 20% of course grade. There are a total of three of these graded with a maximum of 10 points each. So add up your grades on these 3 projects and divide by 30, multiply by .2 and call this b.

Preliminary Exams = 40% of course grade. Drop the lowest of your 3 exam scores (remember to add into the second exam any points from the retest), add the remaining two and divide by 200. Multiply this by .4 and call this c.

So your grade going into the Final is (a+b+c)/.8 since the final exam is worth 20% of the course grade. If you have any extra credit points, add it to this to get your complete grade going into the final.

For example, the current class mean on in-class assignments is approximately 90% after dropping lowest 4 grades so a=.9*.2=.18 and the current mean on Matlab projects is approximately 80% so b=.8*.2=.16 and the current mean exam grade after dropping the lowest exam is approximately 80% so c=.8*.4=.32 and thus the average class grade without any extra credit points is approximately (.18+.16+.32)/.8 = .825 which is a B course grade.

So if you wanted to see the impact of your final exam grade (which counts 20% of the course grade) on your course grade, and your final grade (as a fraction of 1) was d, then you would simply add a+b+c+d. For example if your course grade to date was the average .825 then if you scored a .9 on the final exam, your course grade would be
.825*.8+.9*.2 = .84