

Gradebook Calculation Methods in FACTS

Points

- Assignment grades are recorded as points.
- The value of each assignment is determined by its maximum points.
- Categories are NOT weighted. In fact, you may only use 1 category.
- The term grade is determined by adding all the points earned and dividing by the total possible points.

Points			
Categories	HW	Quiz	Test
Category Weights	NA	NA	NA
Assignment Grades	9/10	3/5	90/100
	80/100	10/10	
	30/50		
Mathematical Calculation	$\frac{9+80+30+3+10+90}{10+100+50+5+10+100}$		
Result	80.10%		

Percent

- Assignment grades are recorded as percentages.
- The value of each assignment is determined by its weight.
- Categories are weighted.
- The term grade is determined in two steps:
 - First, assignment grades are averaged (according to their weight) within each category.
 - Next, category grades are then averaged (according to their weight).

Percent			
Categories	HW	Quiz	Test
Category Weights	20%	30%	50%
Assignment Grades (Assignment Weights)	9/10 (1)	3/5 (1)	90/100 (1)
	80/100 (1)	10/10 (1)	
	30/50 (1)		
Mathematical Calculation	HW: $(90\% + 80\% + 60\%) / 3 = 77\%$ Quiz: $(60\% + 100\%) / 2 = 80\%$ Test: $(90\%) / 1 = 90\%$ $(77\% \times 20\%) + (80\% \times 30\%) + (90\% \times 50\%)$		
Result	84.40%		

Mixed

- Assignment grades are recorded as points.
- The value of each assignment is determined by its maximum points.
- Categories are weighted.
- The term grade is determined in two steps:
 - First, the total points earned is divided by total possible points within each category.
 - Next, Category grades are then averaged (according to their weight).

Mixed			
Categories	HW	Quiz	Test
Category Weights	20%	30%	50%
Assignment Grades	9/10	3/5	90/100
	80/100	10/10	
	30/50		
Mathematical Calculation	HW: $(9+80+30) / 160 = 74\%$ Quiz: $(3+10) / 15 = 87\%$ Test: $(90) / 1 = 90\%$		
Mixed			
	$(74\% \times 20\%) + (87\% \times 30\%) + (90\% \times 50\%)$		
Result	85.90%		