

Oncourse: Gradebook, How Percentages are Calculated

Use the Gradebook to calculate grades using percentages.

No Categories: Calculating Percentages Using Relative Weights

The course grade is the sum of all grades multiplied by their respective relative weights, divided by the sum of the weights.

The table below shows how the course grade is calculated:

Title	Grade	Relative Weight
Week 1 Assignment	80%	1
Assignment 2 – Rachel	80%	5
Assignment 3 – Bigfoot	100%	5
Total		11
Course Grade	89%	

Weighted Categories: Calculating Percentages Using Relative Weights

The following table represents a Student Summary of a Gradebook with 2 categories: Essays (worth 70% of the Course Grade) and Labs (worth 30%.) The Essays category use proportional weighting – the items have varying relative weight values (2, 3, and 5.) Category Labs uses equal weighting in which all Items have the same relative weight value.

The tables below show how the course grade is calculated:

Note: If using the Test/Survey tool, make the weights relative to the value of the Test/Survey items.

Title	Grade	Relative Weight	Weight in Category	Weighted Grade
Category Essays (70% weight)				
Essay 1	90%	2	0.20 = $\frac{2}{10}$	18% = $90 \cdot 0.20$
Essay 2	60%	3	0.30 = $\frac{3}{10}$	18% = $60 \cdot 0.30$
Essay 3	75%	5	0.50 = $\frac{5}{10}$	37.5% = $75 \cdot 0.50$
Essays Total				73.5% = 18+18+37.5
Category Labs (30% weight)				
Lab 1	80%	1	0.33 = $\frac{1}{3}$	26.67% = $80 \cdot 0.33$
Lab 2	70%	1	0.33 = $\frac{1}{3}$	23.33% = $70 \cdot 0.33$
Lab 3	65%	1	0.33 = $\frac{1}{3}$	21.67% = $65 \cdot 0.33$
Labs Total				71.67% = 26.67+23.33+21.67

Overall Course Grade	
Essays	51.45% = $73.5\% \cdot 70\%$ (weight of Essays category)
Labs	21.5% = $71.67\% \cdot 30\%$ (weight of Labs category)
Total	72.95%

Note: For more examples on how categories and weighting affect grade calculations for percentage gradebooks, go to: <http://kb.iu.edu/data/axws.html>