**What Grade Do I Need on My Final?**

First determine student’s grade (in percent) that is their goal. This can be the minimum required to pass, to obtain an A, etc. Check individual course syllabi to determine % requirements for each grade range.

Then look at the grades received so far and the overall % value of the final grade each category holds.

You can look at each grade received as a fraction or as a percentage. To determine percentage take the points earned and divide by the total points possible. Example: A score of 15/20 🡪 75%

\*If there’s multiple scores for each category such as assignments with three individual projects simply add them all together to achieve one score

Assignment 1: $\frac{7}{10}$

Assignment 2: $\frac{4}{5}$ Overall Assignments Grade= $\frac{7}{10}$ + $\frac{4}{5}$ + $\frac{15}{20}$ = $\frac{26}{35} $= .7429 = 74.29%

Assignment 3: $\frac{15}{20}$

**STEP BY STEP EXAMPLE**

**1.)**  Determine goals, grades in each category, and percentage values of final score

Goal: 75%

Assignments:

Grade Received: 74.29%

% Value of Final Grade: 15

(Score Received) X (% Value of Final Grade)

(74.29) X (.15) = 11.1435

 Line 1

Projects:

Grade Received: 80%

% Value of Final Grade: 25

(Score Received) X (% Value of Final Grade)

(80) X (.25) = 20

 Line 2

Midterm:

Grade Received: 62.5%

% Value of Final Grade: 30

(Score Received) X (% Value of Final Grade)

(62.5) X (30) = 18.75

 Line 3

Final Exam:

Grade Received: Unknown

% Value of Final Grade: 30

\*If you have more categories than the ones listed here that account for the final grade simply repeat the formula for each additional category before moving onto step two

**2.)** Add the values of the totals you received for each category

 11.1435 + 20 + 18.75 = 49.8935

 Line 1 Line 2 Line 3 Line 4

**3.)**  Subtract this number from your goal

GOAL - GRADES RECEIVED = SCORE NEEDED ON FINAL

 Line 4 Line 5

75 - 49.8935 = 25.1065

 Line 5

**4.)** Take the number in line 5 and divide it by the percentage value of the final exam

25.1065 $÷$ % Value of Final = SCORE NEEDED ON FINAL

 Line 5

25.1065 ÷ 30 = .8369 🡪 83.69%

 Line 5

**5.)**  SCORE NEEDED ON FINAL = 83.69%

**YOU’RE DONE ☺**

**BLANK CALCULATIONS**

(Score Received) X (% Value of Final Grade)

(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) X (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Line 1

(Score Received) X (% Value of Final Grade)

(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) X (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Line 2

(Score Received) X (% Value of Final Grade)

(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) X (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Line 3

\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_

 Line 1 Line 2 Line 3 Line 4

GOAL - \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Line 4 Line 5

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $÷$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Line 5 % VALUE OF FINAL SCORE NEEDED ON FINAL

For Quick Calculations See: **http://nool.apa.uoit.ca/study-skills/grade-calculator-2/**