

PHY2054 Overall Course Grade

Your overall course score (in %) is evaluated from the following terms:

$$\text{Overall Score} = \text{Exams} + \text{Quiz} + \text{Homework} + \text{H-ITT Extra Credit}$$

Exams: Your overall exam score is given by

$$\text{Exams} = \left(\frac{\text{Ex}_1}{20}\right)20\% + \left(\frac{\text{Ex}_2}{20}\right)20\% + \left(\frac{\text{final}}{20}\right)25\% = \text{Ex}_1 + \text{Ex}_2 + 1.25 \times \text{final}$$

Ex1 and Ex2 are your exam scores. The exams will be 20 problems each with one point per problem. Final is the cumulative final exam which is also 20 problems and is weighted at 25% with respect to the other two exams, giving a total possible exam score of 65 points.

Quiz: There are 10 quizzes, each worth 5 points. We drop 10% of all points, so the formula for quiz points is:

$$\text{Quiz} = \frac{\sum_{i=1}^{10} q_i}{0.9 \times 50} \times 20\%$$

Quiz Score Explanation.

Your quiz scores are summed over all 10 quizzes and divided by the total number of quiz points possible, $10 \times 5 = 50$, minus 10% (forgiveness for illness, missed classes, etc...): $0.9 \times 50 = 45$ and then weighted to count 20% of your overall course score. The maximum quiz score is 20 points.

Homework: Your overall homework score is given by the sum of all of your homework scores divided by $0.9 \times$ the total possible homework points then multiplied by 15%. The maximum homework score is 15 points.

H-ITT Extra Credit: H-ITT points extra and are worth up to 5 points. 20% of the H-ITT points are not counted to allow for transmitter problems and unavoidable absences.

Example of How to Estimate Your Course Score:

Suppose we have completed exams 1 and 2, with your scores being $\text{Ex}_1=12$, $\text{Ex}_2=15$. Also, to date there have been 8 quizzes and your total score is 27 out of 40 possible quiz points and we have had 72 homework problems and your total score is 54. Therefore,

$$\text{Exams: } 12 + 15 = 27\%$$

$$\text{Quiz: } [(27)/(0.9 \times 40)] \times 20\% = 15\%$$

$$54/(0.9 \times 72) = 0.83333 \times 15\% = 12.5\%$$

Overall Course Score = $27\% + 15\% + 12.5\% = 54.5\%$ out of a possible 75%. H-ITT and the final can raise your score by *at most* $25 + 5 = 30\%$.