

## PHY2048 - PHY2049 Overall Course Grade Formula

Your course grade is based on 100 maximum course points. Your overall course points are determined from the following four terms:

**Exams (75% of course grade):** Your exam course points are given by

$$\text{Exams} = \frac{(Ex1 + Ex2 + Ex3 + Ex4)}{60} \times (75)$$

Ex1, Ex2, Ex3 and Ex4 are your in-class exam scores (Ex4 is the cumulative final exam). All exams will have 15 problems each with one point per problem, giving a total possible of 60 exam points. Your course exam points (max = 75) are computed by summing all exam scores, dividing by 60, and then multiplying by 75.

**Quiz (20% of course grade):** Your quiz course points are given by

$$\text{Quiz} = \left[ \frac{Q_{\text{Sum}} = \sum_i Q_i}{0.9 Q_{\text{tot}}} \right] \times 20$$

$Q_i$  is your quiz grade for the  $i^{\text{th}}$  quiz. Each quiz will be graded on a scale of 5 points. The quiz grade is calculated as in the above formula. Here,  $Q_{\text{sum}}$  the sum of all quiz scores, is divided by  $0.9 \times Q_{\text{tot}}$ , where  $Q_{\text{tot}}$  is the maximum total number of quiz points and 0.9 is a “forgiveness factor” that accounts for illness, missed classes, etc. The ratio is then weighted to give a maximum of 20 points.

**Homework (5% of course grade):** Your homework course points are given by

$$\text{Homework} = \left[ \frac{HW_{\text{sum}} = \sum_i HW_i}{0.9 \times HW_{\text{tot}}} \right] \times 5$$

$HW_{\text{tot}}$  is the sum of the maximum homework scores.  $HW_i$  is your score on the  $i^{\text{th}}$  homework assignment and  $HW_{\text{tot}}$  is the maximum possible score. The ratio, which includes the 0.9 forgiveness factor, then is weighted to give a maximum of 5 points.

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**H-ITT Bonus Points (max = 5):** Your HITT bonus points are given by

$$HITT = \left[ \frac{HITT_{Sum} = \sum_i HITT_i}{0.8 \times HITT_{tot}} \right] \times 5 =$$

where HITT is the sum of all your HITT points,  $HITT_{sum}$ , divided by the total number of HITT points possible,  $HITT_{tot}$ , times the 0.8 forgiveness factor. The HITT bonus points are then weighted to count a *maximum* of 5 bonus points.

**Overall Course Points = Exams + Quiz + HW + HITT**