

## PHY2048 Overall Course Grade

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

$$\text{Overall Course Score} = \text{Exams} + \text{Quiz} + \text{Homework} + \text{HITT}$$

**Exams:** Your overall exam score is given by

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

Ex1, Ex2, and Ex3 are your exam scores. The exams will be 15 problems each with one point per problem. Ex4 is the cumulative final exam which is also 15 problems and is weighted equally with the other exams, giving a total possible exam score of 60 points (hence the division by 60). The exams are weighted to count for 60% of your overall course score.

**Quiz:** Your overall quiz score is given by

$$Quiz = \frac{\sum_{n=1}^{10} Q_n}{50} \times (20\%)$$

$Q_n$  are your top 10 quiz grades out of 11 quizzes (0-5 points). These are summed and divided by the total number of quiz points possible,  $10 \times 5 = 50$  and then weighted to count 20% of your overall course score.

**Homework:** Your overall homework score is given by

$$Homework = \frac{\sum_{n=1}^m HW_n}{(0.9) \times HW_{tot}} \times (15\%)$$

$HW_n$  is your homework grade for the  $n^{th}$  assignment. These are summed over all assignments for the semester and divided by the total number of assigned homework problems,  $HW_{tot}$ , minus 10% (forgiveness for network problems, etc.).

$$HW_{tot} - 0.1 \times HW_{tot} = (0.9) \times HW_{tot}$$

The homework portion is weighted to count for 15% of your overall course score. You can not get more than 15% for this portion so if the 10% forgiveness results in you getting more than 15%, you will only get the full 15%. Each HW problem is equally weighted.

**HITT:** Your overall HITT score is given by

$$HITT = \frac{\sum_{n=1}^{all} HQ_n}{(0.8) \times HQ_{tot}} \times (5\%)$$

where HITT is the sum of all the HITT points,  $\sum_{n=1}^{all} HQ_n$ , you have received divided by the total number of HITT points possible,  $HQ_{tot}$ , minus 20% (forgiveness for illness, missed classes, etc.).

$$HQ_{tot} - 0.2 \times HQ_{tot} = (0.8) \times HQ_{tot}$$

The HITT portion counts for 5% of your overall course score. You can not get more than 5% for this portion so if the 20% forgiveness results in you getting more than 5%, you will only get the full 5%.

**Grading Scale:** THERE IS NO CURVE IN THIS CLASS. Curves pit students against each other in competing for a better grade but education research has shown that learning from peers can be an effective learning aid both for the students who get the help and for those who give the help (the latter clarifying their thoughts in the process). You are encouraged to form study groups and work together to bring the entire level up. Your overall course score will be calculated to 5 significant figures and there is no rounding off. We do reserve the right to lower these thresholds, but dont expect it!

Table 1: **Grade Scale (guaranteed)**

|    |             |
|----|-------------|
| A  | $\geq 85\%$ |
| A- | $\geq 79\%$ |
| B+ | $\geq 73\%$ |
| B  | $\geq 67\%$ |
| B- | $\geq 62\%$ |
| C+ | $\geq 57\%$ |
| C  | $\geq 51\%$ |
| C- | $\geq 48\%$ |
| D+ | $\geq 45\%$ |
| D  | $\geq 42\%$ |
| D- | $\geq 39\%$ |
| E  | $< 39\%$    |