

Practicals Marking Scheme and Rubric

PHY151H1F Fall 2020

There are 10 Practical through the semester. The Practical are worth 15% of the mark in the course.

Pre-Practical Quizzes

For each Practical there will be a Pre-Practical Quiz on Quercus (5 points) Multiple choice, based on a small amount of reading and/or a video before each Practical. These 10 quizzes comprise 10% of the Practical mark in the course. (1.5% of the total course mark.)

Practicals

Students will work in “pods” of 3 or 4. There will be up to 18 students in each group. Half-way through the semester, the pods within each group will be scrambled, so that students have different partners to work with.

Each Practical itself is worth 15 points. The members of each pod share the same mark.

Oral Presentation (3 points – shared between all contributing members of each pod that day).

A 5-minute Presentation of each day’s work, given by the “presenter” for each pod. In the main room, the presenter for each pod will share their screen and give a short presentation about some part of what was done that day. [3=excellent, complete, well-delivered and understood, 2=good work, some minor issues, 1 or 0 means presentation did not go well]

Written Presentation in Google Slides summarizing the day’s work. Students in each pod will have up to 24 hours to revise the work before it is marked. The mark for this is divided into two parts:

- **Results** (6 points). This mark is based on the accuracy and completeness of the assigned activities and questions of the day. [6 = perfect, 5=excellent, 4=good, 3 or less means something was missing.]
- **Methods** (6 points): This mark is based on how well documented your methods were in your presentation. To receive full credit, your analysis and procedure should be well-documented, logical and well thought out. Your assumptions should have been clearly stated, relevant concepts have been clearly explained, it should be clear the pod understood the main point of the activity, your steps have been justified, your analysis should include a good discussion of uncertainties (if applicable). [6=truly outstanding, 5=excellent, 4=good, 3 or less means methods were not well documented]

Practical #1 will be marked, but, for fairness, this practical will not be counted in the course total as the rubric was still being decided.

The best 8 out of the remaining 9 Practical marks comprise the other 90% of the Practical mark (13.5% of the total course mark).