

PHY30302 *General Physics Skills* Coursework

2025

Deadlines:

1. A pdf of the poster (**A1 size in portrait form**) should be submitted through Blackboard (Turnitin) by **4pm on Friday 4th April 2025**. Only one person needs to submit the poster on behalf of the group.
2. After the posters are submitted your group will assess 5 other posters by **4pm Friday 2nd May 2025**.

PHYS30302 Coursework Brief

You are required to solve a physics problem using a combination of problem solving and numerical approaches. The results of your investigation into the problem will be presented in a poster that should clearly communicate (a) the physics problem, (b) the method used to solve it and (c) the results of your analysis. The posters will be assessed by both academics and your peers. Marking will be moderated by the teaching staff.

The poster should be aimed to communicate what you did and what you found to another 3rd year student. Assume that the reader has studied all the core physics, but not necessarily relevant options - so be prepared to explain non-core physics.

The coursework is worth 25% of the overall mark for the unit.

The coursework is scheduled to commence on Monday 17th March, but you are advised to start thinking about possible projects as early as possible.

Specific Details

- **Peer Marking:** The presentation of your poster coursework will be peer-marked by other groups. Each group will be assigned 5 posters to mark.
- **Adjustment for effort and smaller groups:** All students must contribute to solving the problem and producing the poster. However, it should be recognised that different team members will have different roles, depending on their skills. **Use your skills profile response to help understand your role in the team.**
- Hopefully, all teams will feel that individual members have contributed equal amounts of effort (potentially on different aspects) to the coursework (in which case everyone gets the group mark), but to allow for the potential scaling of individual marks each team will be asked to distribute 60 'effort' marks between the group members.

- Before the grade for the poster is released each group will assign the 60 marks between the group members¹. The sum of the marks awarded must total 60. The maximum effort marks that can be awarded to an individual student is 20.

The coursework mark for each individual will be moderated as following:

Individual mark = Original group mark + individual 'effort' mark - 10

For example, if the group coursework mark is 60% and an individual student was awarded the maximum 20 effort marks by their group then they would get an individual mark of 60%+20%-10% = 70%.

This adjustment allows for differences in effort and also compensates for teams with fewer members. **All students in each group will be required to sign a declaration that they agree to the split of effort marks between individual members.**

- A poster session will be held in the foyer of the Engineering building on Wednesday 30th April during the usual lecture time. Please ensure someone from your group is available to set up the poster in the morning (9am). This event will be a celebration of your work and an opportunity to learn from the posters. Academic staff will be asking questions and will vote for their favourite poster.
- Further guidance on producing the poster will be provided in a separate document.
- Overall group marks will be moderated by academics.

Mark Scheme

- Physics Content 55% (assessed by academics)
- Clear and well-presented poster 40% (assessed by students).
- Careful peer marking of 5 other posters 5% (moderated by academics)

¹ Groups of 7 students are allocated 70 marks to distribute.