

# SPA6543 Group Projects for Physicists: Marking schemes.

The following marking criteria will be used to assess the reports and oral presentation.

## **Group Technical Report:** 30% overall contribution

- Scientific rating
  - Scientific content
  - Accuracy and comprehension
  - Appropriate level of detail
- Presentation
  - General layout
  - Quality of diagrams
  - Grammar
  - Spelling
  - References
  - Minutes and organisational records

## **Group Oral Presentation:** 20% overall contribution

- Quality of the presentation
  - Logical flow
  - Powerpoint working correctly
  - Diagrams clear
- Quality of the delivery
  - Clarity
  - Correct timing
- Scientific content
  - Physics explained rather than simply described
- Response to simple questions
  - Have the students grasped the fundamental principles behind the project?
- Response to advanced questions
  - Can the students appreciate the more advanced/subtle aspects of their project, e.g. dealing with derivations/hypothetical situations?
- Independence in responding/ general quality of responses
  - Did the students require much prompting?

## **Individual Student Report:** 50% overall contribution

- Individual contribution
  - Has the student made their contribution clear?
  - Was it scientific?
  - Organisational?
  - Both?

- Was their contribution substantial?
- Individual self-reflection
  - Did the student comment on any difficulties they encountered?
  - Did they encounter any surprises, scientific or other?
  - How would they approach their tasks with the benefit of hindsight?
- Organisational self-reflection
  - Did the student comment on the running of the project?
  - Did they encounter any surprises?
  - Did the outcomes exceed or fall short of their expectations?
  - How would they have done things differently with the benefit of hindsight?
- General conclusions/future work
  - Can the student think of the next logical steps for this project, based on their reflection of the groundwork that has been done so far?