

Physics I and 2

Level: Stage I

Course length: 1 semester or
2 semesters

Credit value:

10 Credits (Physics I)

20 Credits (Physics I and 2)

Advice to students

Physics uses qualitative and quantitative models, laws and theories to better understand matter, forces, energy and the interaction among them. It seeks to explain natural phenomena, from the subatomic world to the macrocosmos, and to make predictions about them. By studying physics, students are able to appreciate the significance of the work of both classical and modern physicists and to understand how new evidence can lead to the refinement of existing models and theories and to the development of new, more complex ideas and technologies and discoveries.

Course overview

Physics 1 topics:

- Linear Motion and Forces
- Electric Circuits
- Heat

Physics 2 topics:

- Energy and Momentum
- Waves
- Nuclear Models and Radioactivity

Assessment

2 Skills and Application Tasks	60%
2 Practical Reports	40%
1 Science as a human endeavour investigation	

Pathways

Successful completion of Stage I Physics A and B will allow students to go onto Stage 2 Physics.