

Physics

COURSE CODE

AS Level 7407

A Level 7408

ENTRY REQUIREMENTS

- 6 or above in GCSE Physics (Treble Science) or a 6 or above in the Physics exams in GCSE Combined Science. AND
- 6-6 or above in GCSE Combined Science or an average of a 6 or above in Treble Science (i.e. an average of 6 or above in Biology, Chemistry and Physics GCSEs). AND
- 6 or above in GCSE Mathematics.

WHAT WILL YOU LEARN?

Subject content: measurements and their errors, particles and radiation, waves, mechanics and materials, electricity, further mechanics and thermal physics, fields and their consequences, nuclear physics, options, astrophysics, medical physics, engineering physics, turning points in physics, electronics.

ASSESSMENT

AS Level

- Paper 1: Sections 1 to 5. Written exam: 1 hour 30 minutes, 70 Marks, 50% of AS, 70 Marks of short and long questions split by topic.
- Paper 2: Sections 1 to 5. Written exam: 1 hour 30 minutes, 70 Marks, 50% of AS, 70 Marks of short and long questions split by topic including questions on practical skills and data analysis. 30 multiple choice questions.

A Level

- Paper 1: Sections 1 to 5 and 6.1 (Periodic motion). Written exam: 2 hours, 85 marks, 34% of A-level Questions, 60 marks of short and long answer questions and 25 multiple choice questions on content.
- Paper 2: Sections 6.2 (Thermal Physics), 7 and 8 Assumed knowledge from sections 1 to 6.1. Written exam: 2 hours, 85 marks, 34% of A-level Questions, 60 marks of short and long answer questions and 25 multiple choice questions on content.
- Paper 3: Section A Compulsory section: Practical skills and data analysis Section B: Students enter for one of sections 9, 10, 11, 12 or 13. Written exam: 2 hours, 80 marks, 32% of A-level Questions, 45 marks of short and long answer questions on practical experiments and data analysis. 35 marks of short and long answer questions on optional topic.

NEXT STEPS

Degree in Physics, Engineering, Medicine, Biophysics, Geophysics

CAREER INFORMATION

To quote Vishanti Lall from the Institute of Physics "Everyone knows that with a Physics degree on your CV, the world is your oyster".

EXTRA COSTS

You will require a hard-backed lab book that we sell for £5. Other books, magazines and revision guides will be available to buy.