

Physics

AS LEVEL

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COURSE CODE

AS Level 7407
A Level 7408

ENTRY REQUIREMENTS

You must achieve: 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

Core 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.



Physics Continued

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 lab book and some revision material (£10). Other books, magazines and revision guides will be available to sell.

