A' Level Physics

Course Code: LNUK49
Enrolment Fee: £475.00
Enrol today and pay only £395.00
Format: Paper
Award: A' Level (AS+A2)
Accreditation: AQA
Course Length: 18 months
Experience: See Below

A Distance Learning Course is the ideal way to gain a qualification without having the worry of trying to fit your studies around your everyday life. You can complete your studies in your own time and we are on hand seven days a week to help you plan your future.

Course Description
This A' Level Physics Course is ideal for anyone wishing to gain a knowledge and understanding of this subject or for anyone who wishes to study at a higher level at University. You will also find this course extremely valuable if you are looking for a progression route for further training whilst employed.

This course provides a wide range of opportunities to develop your knowledge of science linking the general criteria on the nature of science to specific topics.

On this course you will study six units:

Unit 1: PHYA1 Particles, quantum phenomena and electricity
Examination paper: 1 hour 15 minutes

Unit 2: PHYA2 Mechanics, materials and waves
Examination paper: 1 hour 15 minutes

Unit 3: Investigative and practical skills in AS Physics
PHA3X, Externally Marked Route X

A2 Level

Unit 4: PHYA4 Fields and further mechanics
Examination paper: 1 hour 45 minutes

Unit 5: PHA5A Nuclear Physics, Thermal Physics
plus Option A - Astrophysics
Examination paper: 1 hour 45 minutes

Unit 6: Investigative and practical skills in A2 Physics
PHA6X, Externally Marked Route X
Previous Knowledge Required
This course is openly available to anyone who wishes to take part in a highly rewarding home study course, although you would be expected to hold a minimum of Grade C or equivalent at GCSE standard. You have the freedom to start the course at any time and continue your studies at your own pace for a period of up to 18 months from initial registration with the full support of your Tutor.

Support
You will receive the entire package of course materials in a single dispatch together with dedicated Tutor Support for 18 months. All assignments are marked by one of our professional Tutors who will offer regular feedback and guide you through your course. Postal assignments cannot be accepted without prior permission from the tutor and you must have access to email in order to contact your Tutor.

You will be provided with the telephone number for your dedicated Student Support Team who will be available for any other queries that you may have whilst completing your course. You can be assured that you will receive unlimited support for your home study course, so there is no need to struggle or feel isolated during your studies.

Assessment
The course contains a number of assignments which your tutor will mark and give you valuable feedback on. We call these Tutor Marked Assignments (TMAs). You need only send the TMAs to your tutor for comment, not the self-assessment exercises which are also part of the course to help you gauge your progress.

Exams are taken at an AQA centre and we can provide an extensive list of centres for you.

Modules
AS Level

Unit 1: PHYA1 Particles, quantum phenomena and electricity
This unit involves two contrasting topics in physics: particle physics and electricity.

- Particles and Radiation
- Electromagnetic Radiation and Quantum Phenomena
- Current Electricity

Unit 2: PHYA2 Mechanics, materials and waves

- Mechanics
- Materials
- Waves

Unit 3: Investigative and practical skills in AS Physics

Route X: Investigative and Practical skills (Externally Marked)

The assessment in this route is through a one-off opportunity of a practical activity.

The first element of this route is that candidates should undertake five short AQA set practical exercises throughout the course, to be timed at the discretion of the centre. Details of the five exercises will be supplied by AQA at the start of the course. The purpose of these set exercises is to ensure that candidates have some competency in using the standard equipment which is deemed suitable at this level. No assessment will be made but centres will have to verify that these exercises will be completed.

Note that you will need to contact your examination centre to discuss the practical work you will undertake. Also note that your tutor has no involvement in this stage.
Unit 4: PHYA4 Fields and further mechanics

- Further Mechanics
- Gravitation
- Electric Fields
- Capacitance
- Magnetic Fields

Unit 5: PHA5A Nuclear Physics, Thermal Physics and the option topic (Astrophysics)

- Radioactivity
- Nuclear Energy
- Thermal Physics

Option topic: Astrophysics

- Lenses and Optical Telescopes
- Non-optical Telescopes
- Classification of Stars
- Cosmology

Unit 6 - Investigative and practical skills in A2 Physics

Route X: Investigative and Practical skills (Externally Marked).

The assessment in this route is through a one off opportunity of a practical activity.

The first element of this route is that candidates should undertake five short AQA set practical exercises throughout the course, to be timed at the discretion of the centre. Details of the five exercises will be supplied by AQA at the start of the course. The purpose of these set exercises is to ensure that candidates have some competency in using the standard equipment which is deemed suitable at this level. No assessment will be made but centres will have to verify that these exercises will be completed.

The formal assessment will be through a longer practical activity. Details of this activity will be provided every March. The activity will require candidates to undertake practical work, collect and process data and use it to answer questions in a written test. The activity will be made up of two tasks, followed by a written test. Only one activity will be provided every year.

Note that you will need to contact your examination centre to discuss the practical work you will undertake. Also note that your tutor has no involvement in this stage.

How Science Works

An understanding of How Science Works is a requirement. How Science Works is an underpinning set of concepts and is the means whereby students come to understand how scientists investigate scientific phenomena in their attempts to explain the world about us. Moreover, How Science Works recognises the contribution scientists have made to their own disciplines and to the wider world.
Recommended reading

A Level Physics by Roger Muncaster
- **Publisher:** Nelson Thornes; 4th Revised & enlarged edition (1 Aug 1993)
- **Language:** English
- **ISBN-10:** 0748715843
- **ISBN-13:** 978-0748715848

AS/A2 Level Physics AQA A Complete Revision & Practice by Richard Parsons
- **Publisher:** Coordination Group Publications Ltd (CGP) (20 Jan 2010)
- **Language:** English
- **ISBN-10:** 1847624189
- **ISBN-13:** 978-1847624185

Awarding Organisation
AQA - The Assessment and Qualifications Alliance

The Assessment and Qualifications Alliance (AQA) is the largest of the Unitary Awarding Bodies in the UK. AQA offers a range of qualifications and services, including GCSE, GCE, GNVQ, VCE and Entry Level. AQA's primary purpose is to ensure that students’ attainments are supported by best assessment practice and that their grades are a reliable statement of their achievement.
Post your completed form to:
Learn Now
Hillhead House
Dartmouth Road
Kingswear
TQ5 0EX

Email: enrolments@learnnow.org.uk
Fax: 08435 240 521

### Enrolment/Instalment Agreement Form

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N.B. Not available to International Students

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For payment by credit/debit card, complete card details below. If you wish to pay by paypal, you will be sent a link by email to make payment. If you wish to pay by cheque, please attach cheque to this form. Cheques should be made payable to Learn Now

Payment method for payment by instalment plan (Please tick ✓)

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**Name as it appears on card (Please Print)**

**Address Card is registered at, if different from above**

**Postcode**

I the credit/debit cardholder authorise Learn Now to take payments as indicated above from my credit/debit card. I the student agree to the general terms and conditions of enrolment and the conditions of monthly payments set out in this agreement, if relevant. For full terms and conditions see [http://www.learnnow.org.uk/termsconditions.html](http://www.learnnow.org.uk/termsconditions.html)

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Please return the completed and signed agreement to us using one of the following methods:

- **By Post to:**
  Learn Now
  Hillhead House
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  Kingswear
  TQ5 0EX
  
- **By Email:** enrolments@learnnow.org.uk
  
- **By Fax:** +44 (0) 8435 240 521

On receipt of your completed agreement, we will aim to despatch your course within 48 hours. If you choose to pay by instalments, confirmation of your payment dates will be forwarded to you by email.

We look forward to welcoming you to Learn Now and will ensure you receive all the support and guidance you need to succeed in your chosen subject.

Should you have any queries concerning this form, please feel free to Contact our Student Advisors on 01392 581038.