

 Learnna | Diploma MSc

Paediatric and Child Health

Postgraduate Diploma and MSc Courses



THE UNIVERSITY OF
BUCKINGHAM



Postgraduate Diploma

Delivered over 1 year, the online, part-time, Postgraduate Diploma course is specially developed for busy health professionals. Formatted in 6 modules, each 6 weeks in duration; the course is designed to be practical and clinically focused.

MSc

The MSc runs over 2 calendar years, with the first year comprising of the Postgraduate Diploma. The second year starts with an initial 12 week online module to develop skills in critical appraisal and knowledge of research methodologies. Students then complete the professional project module

Why study Paediatric and Child Health with us?

Specialists within paediatrics, whilst in short supply in developed countries such as the UK, are in even shorter supply within developing countries that suffer from significant healthcare shortages. The lack of educational accessibility within the discipline has contributed to making it increasingly difficult to recruit paediatricians, therefore threatening the safety of children's health.

Our online, expert-led Postgraduate Diploma and MSc Courses in Paediatrics and Child Health, delivered via our award-winning online platform, provides 100% flexible and accessible postgraduate education to healthcare providers globally.

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Our courses in Paediatric and Child Health equips healthcare professionals with advanced skills to excel in rapidly evolving medical scenarios. This programme is ideal for those seeking to enhance their expertise in a geriatric care setting.

Dr Ambalika Das, Learna | Diploma MSc Programme Leader

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Paediatric and Child Health Postgraduate Diploma

Course Modules

Our online Paediatric and Child Health Postgraduate Diploma allows you to study for just one calendar year and is a part-time, online course. The course is worth 120 credits and comprises six modules of 20 credits, each running over a period of six weeks.

Module 1 - Neonatal period and infancy

Aim of the module:

Equip the individual with a systematic understanding of general paediatrics, and application of knowledge for direct patient benefit/service development and future study.

Synopsis of module content:

- Genetic testing and counselling
- Maternal risk factors on newborn
- Resuscitation and examination
- Screening
- Monitor growth and development and learn management in infancy and primary care setting

On completion of this module, students will be able to:

1. Demonstrate a comprehensive understanding of; antenatal testing, maternal history taking, neonatal resuscitation, national screening programme, 0-5 years child health surveillance, neonatal common presentations.
2. Critically Apply an in-depth knowledge of health promotion strategies into their practice as General Paediatrician.

Module 2 - Preventable childhood diseases

Aim of the module:

To recognise the importance of immunisation in preventing communicable disease and thus reduction in mortality and morbidity.

Synopsis of module content:

- Preventing communicable disease and reduction in mortality and morbidity
- Modify risk factors e.g obesity and asthma
- Prevent development of chronic diseases
- Appropriate diet and nutritional management e
Increasing incidences of allergic disorders in
- childhood

On completion of this module, students will be able to:

1. Demonstrate a comprehensive understanding of; national immunisation programme, modifiable risk factors in chronic diseases, healthy lifestyle choices, childhood nutrition, vitamin and mineral deficiency diseases, common childhood allergic disorders.
2. To justify the rationale of universal immunisation to prevent communicable diseases in childhood.

Module 3 - Common paediatric presentations

Aim of the module:

To be able to apply evidence based practice in diagnosing and managing common childhood presentations in primary and secondary care settings.

Synopsis of module content:

- Childhood rashes
- Child presenting with fever
- Child presenting with a recent onset limp
- Child with first seizure and
- chronic cough
- Precocious puberty

On completion of this module, students will be able to:

1. Demonstrate a comprehensive knowledge and understanding to apply evidence based diagnostic and management pathway for a child presenting with rash in primary or secondary care setting.
2. To evaluate practice critically in relation to the evidence base in child health and general paediatrics.

Module 4 - Paediatric emergencies and safeguarding

Aim of the module:

To learn about the application of evidence based medicine in managing common paediatric emergencies.

Synopsis of module content:

- Paediatric basic and advanced life support
- Ccutte asthma
- Status asthmaticus
- Status epilepticus
- Altered consciousness
- Head trauma
- Encephalopathy
- Non-accidental injury
- Diabetic keto-acidosis
- Acute abdominal pain

On completion of this module, students will be able to:

1. Demonstrate a comprehensive knowledge and understanding in the delivery and advancement of paediatric-related care.
2. Equip students with life-long learning and advanced problem-solving skills that they can apply to practice in general paediatrics.



Doing a course, all online is a lot more convenient for me around my clinical role so that's why I chose to study with Learna... I really like how flexible the course was, I liked the freedom I got with the professional project and I was well supported throughout the whole 2 years!

- Lisa Jayne Edwards, Medical Education MSc graduate

Module 5 - Research Methodologies and Critical Appraisal: Paediatrics and Child Health

Aim of the module:

To help students recognise, understand, interpret and apply methods used in healthcare research and critically appraise the various methodologies specific to research in paediatrics and child health.

Synopsis of module content:

- Qualitative research methods
- Fundamentals of evidence-based practice and its application into the clinical setting
- Principles of health economics, audit and quality improvement/assurance systems
- Establishing patient registers and the value of disease-specific registers
- Research into educational principles for both healthcare practitioner and patient. Qualitative research methods

On completion of this module, students will be able to:

1. Select and apply different methodological perspectives and tools to answer research questions in paediatrics and child health.
2. Critically analyse and interpret research in paediatrics and child health.

Module 6 - Global child health

Aim of the module:

To develop students ability to critically appraise specific areas of clinical, research and/or organisational practice and develop skills in independent research, study and writing for publication.

Synopsis of module content:

- Literature review and appraisal of the evidence
- Audit of practice including organisational or clinical
- Review and implementation of evidence-based practice
- Qualitative or quantitative research (formal research involving human subjects is not anticipated)
- Case(s)-based and quality of service review with critical appraisal

On completion of this module, students will be able to:

1. Design and undertake a research/development project related to paediatrics and child health.
2. Critically evaluate practice and suggest improvements or change.
3. Incorporate knowledge of the research process in developing services appropriately



"When I enrolled into the course I had no idea about the opportunities it would provide me with. Having my first paper published through this course helped me overcome my apprehensions of academic writing and made me more confident to pursue it further. "

Rutu Dave

Module 7: Professional Project

Aim of the module:

The Research Methodologies and Critical Appraisal element of the module will help students recognise, understand, interpret and apply methods used in healthcare research and critically appraise the various methodologies related to the specialty.

The Professional Project Proposal and Professional Project elements will develop students' ability to critically appraise specific areas of clinical, research and/or organisational practice and develop skills in independent research, study and writing for publication.

Synopsis of module content:

Research Methodologies and Critical Appraisal:

- Key epidemiological terms: prevalence, incidence, sensitivity, specificity, false positives/negatives.
- Interpretation of data visuals: Kaplan-Meier curves, forest plots, meta-analyses.
- Research calculations: relative/absolute risk, number needed to treat.
- Statistical tests: t-tests, ANOVA, chi-square.
- Qualitative research methods.
- Basics of evidence-based practice in clinical settings.
- Health economics, audit, and quality improvement principles.
- Importance of patient and disease-specific registers.
- Research on educational methods for healthcare providers and patients.

Professional Project: Students will complete a subject-related project relevant to their practice, which may include:

- Literature review and evidence appraisal.
- Practice audit (clinical or organisational).
- Review and application of evidence-based practice.
- Qualitative or quantitative research.
- Case-based and quality of service review with critical appraisal.
- Case report, literature review, or organisational assessment.

On completion of this module, students will be able to:

1. Select and apply different methodological perspectives and tools to answer research questions in the field.
2. Critically analyse and interpret research in the subject area.
3. Critically evaluate practice and suggest improvements or change.
4. Incorporate knowledge of the research process in developing services appropriately.
5. Critically analyse and interpret research to assess its application to delivery/service development.
6. Evaluate ethical considerations in research and the process of engagement with ethical committees.
7. Design and undertake a professional project related to the field of practice in order to produce an extensive piece of literature which may be suitable for peer-reviewed publication.
8. Create evidence-based recommendations to add to the knowledge base of the subject area.
9. Demonstrate critical evaluation skills enabling an in-depth critique of the academic literature.



Teaching Methods

Our courses are conducted entirely online through our online learning platform. However, you will receive guidance throughout with tutor-stimulated academic discussions, which are based on clinically-rich case scenarios. These usually occur within groups of 10-15 students, allowing you to clearly communicate with both your tutor and fellow students.

You will participate in a combination of group and individual activities, which are recorded in a reflective journal. This innovative teaching method enables you to envisage the translation of your studies into your every day work and practice.

Our dedicated Student Support Team are also available to help with any problems you may face. From navigating our online platform to advising you on deadlines, our team can assist with any questions or challenges you may have along the way.

Study skills week

Once you have secured your place on the course, you will be required to attend our Study Skills week. This will give you the opportunity to participate in workshops on Harvard referencing, scientific and reflective writings, and levels of evidence in preparation for your studies. It is compulsory for you to attend this induction, as it'll provide you with a sturdy introduction to the course.

Paediatric and Child Health: Postgraduate Diploma and MSc Courses

Entry Requirements

English Requirements

- IELTS with an overall score of 6.5 or above.
- GMC / NMC (Nursing Midwifery Council) / GPhC / HCPC registered – with a licence to practise.
- Proof of study at a UK, USA, Australian, New Zealand or Canadian University or membership to a medical body from one of these countries.

Educational Requirements

- Possess an undergraduate degree in a relevant subject awarded by a UK university or overseas equivalent.
- Provide evidence in the personal statement as to how they can apply learning to a practical setting and reflect on practice.
- Basic IT skills (e.g. word processing, email and internet).
- If English is not the student's first language they must hold an English language qualification.

Health professionals working within a clinical setting, both UK and overseas, with a related Healthcare Science degree (including international qualifications) are eligible to apply for the Paediatric and Child Health courses.

Applicants without the above academic criteria but relevant/ suitable experience can apply. Applications will be judged on the individual specifics of background and qualifications including ability to work at Postgraduate level (applicants may be asked to submit a piece of work for assessment to confirm that they are able to work comfortably at postgraduate level and demonstrate requisite clinical/professional knowledge).





What do our students think?

Since 2010, over 8000 students have progressed their medical career by enrolling in one of our qualifications. We ourselves have learned a lot during this time and continually seek to improve the student learning experience. Here is what some of our previous students have said:

"I found the online learning very interesting. It enabled me to save money and time."

Dr Imad Eddin Rahamtalla, Doctor

"I strongly recommend Diploma MSc to all those busy physicians who are working in remote areas and wish to upgrade their knowledge."

Dr Junaid Zaffar, Diabetologist

"The learning was fun and enjoyable. The course was awesome and it increased my confidence."

Dr Sankar Nath Jha, Assistant Professor

"I found learning with Diploma MSc interesting, it helped to update my academic knowledge."

Dr Prasanth Kinattapurayil, Doctor

"I love that it was flexible and that I could log in at my convenience. I found this course to be very in-depth, informative, challenging and stimulating."

Kerri-Ann Best PGDip, RD



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