

Antibiotics

Online Short Course

www.biomedonline.co.uk



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Overview

This 12-week online course, starting in April and October, is designed for:

- Biomedical Scientists
- Infection Control Nurses – Link Nurses
- Modern Matrons
- Doctors including GPs
- Those embracing management of the broader aspects of a pathology service

Course objectives

The main aims of the course are to enable you to:

- Explain the rationale that advocates for selective use of antibacterial agents
- Develop strategies for prescribing antibiotics based on understanding of the main classes of antibiotics, their modes of action, different mechanisms of resistance and development of resistance.
- Demonstrate knowledge of the current antibiotic sensitivity testing methods in use, understand issues that affect interpretation of results and recognise anomalies

- Demonstrate an appreciation of requirements for candidate antibacterial substances that may serve as alternatives to current treatments
- Critically assess and consolidate information from a variety of sources including peer-reviewed scientific publications and then produce reports according to professional standards suitable for public presentations
- Engage in reasoned verbal and written discussion and debate.

Course content

Workshops

Workshop 1: An introduction to e-learning, your tutors and your course

Workshop 2: Course consolidation

Guided online study

- Antibiotics and the current context
- Classes of antibiotics and mode of action
- Mechanisms of bacterial resistance and how they develop
- Laboratory methods in antibiotics activity testing – limitations, strengths
- Practical considerations in the use of antibiotics
- Are there alternatives?

Why study this course?

- It offers you a high level of student support, with a typical tutor: student ratio of 1:10
- Courses are approved for CPD by the Institute of Biomedical Science, the leading body for those working in the field
- Our courses offer you a flexible, practical way to learn, for CPD or towards a PG Cert, PG Dip or full MSc.

Student Comments

“The Biomed Online Antibiotics course is an excellent and informative course. The course was very well structured and the tutors were excellent. I have gained deeper understanding about the antibiotics and bacterial resistance which will be useful in my workplace. I thoroughly enjoyed and highly recommend this course to everyone”.

Jyothsna Dronavalli

Imperial College Healthcare NHS Trust

“The Antibiotics course was my first attempt at an online course and I found it a really good way to study. The tutors were great, they have created an impressive course which exceeded my expectations and they also provided excellent support and encouragement, particularly during the live chat sessions. The learning experience was not only up-to-date and comprehensive, but also enjoyable and fun, and I thoroughly recommend it.”

Richard Edwards

East Kent Hospitals University Foundation Trust

“The course is timely and relevant, especially in this era where we are facing the problems of antibiotic resistance in almost all the pathogens causing infections. It’s challenging, thought-provoking but enjoyable too. It’s worth your money and time with the knowledge and expertise that you will gain from the course contents as well as the help, support and expertise of the tutors.”

Alicia Rivera

The Royal Marsden NHS Foundation Trust

“The topics were very interesting and current in today’s antimicrobial stewardship programmes. The tutors were great and discussion groups allowed you to discuss current news in more depth and bounce ideas.”

Katy Lomas

Nuffield Health



Key facts

Attendance: 12 weeks (online)

Entry requirements:

This course is aimed at employees across the health sector. You may already have a qualification in a science such as biology, biochemistry, chemistry or pharmacy at a range of levels, from HNC or BSc to PhD.

Qualifications:

Each of our online short courses is worth 30 credits at FHEQ Level 7 (Master's level). You can complete four online short courses plus a workplace-based project in up to seven years for an MSc accredited by the Institute of Biomedical Science.

We also offer Postgraduate Certificates for successful completion of two online courses, or a Postgraduate Diploma for four courses.

Please see our website at www.biomedonline.co.uk for details of the course options for our programmes in Biomedical Science (Online), Healthcare Management and Healthcare Quality Management

How to apply:

To make a booking, or to find out more, please contact us:

E-mail:

biomedoffice@gre.ac.uk

Website:

www.biomedonline.co.uk

Fee information

The schedule of fees is available at www.biomedonline.co.uk.

A discount is available for members of the Institute of Biomedical Science and students who work at an organisation that is part of the Biomed Online Consortium (please see our website for the Consortium members).

More online courses

- Advanced Human Genetics
- Analysis of Nucleic Acids
- Applied Haemostasis and Thrombosis
- Blood Transfusion
- Chromatography-Mass Spectrometry Analysis in Healthcare Settings
- Clinical Data Interpretation
- Diabetes and the Clinical Laboratory
- Diagnosis of Breast Cancer
- Diagnostic Haemostasis and Thrombosis
- Governance and Risk Management
- Haematological Malignancies
- Haemoglobinopathies
- Haemolytic Anaemias
- Immunocytochemistry in Diagnostic Cellular Pathology
- Implementing Advanced Quality Management
- Lung Disease
- Management of Healthcare Associated Infection
- Managing Learning and Development in Healthcare
- Parasitology
- Point of Care Testing
- Quality Systems Management
- Renal Disease
- Robotics and Automation in Laboratory Science

More courses coming soon...

Biomed Online Learning

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