

MSc/DIPLOMA IN MEDICAL TOXICOLOGY



Commencing

20 September 2010

This Diploma/MSc programme is designed for doctors, pharmacists and other scientists who wish to develop a broad understanding of the principles underlying medical toxicology. The course, which is delivered via the internet, outlines the mechanisms by which drugs and other chemicals produce toxic effects and how these can be predicted, prevented or treated.

The Diploma course consists of six five-week modules of distance-learning material. The material is of a practical nature and contains material relevant to those working (or hoping to work) in the pharmaceutical or chemical industry, regulatory bodies or health service posts, including those in acute or emergency medicine, laboratory staff and staff in poisons information services.

Subjects studied during this course include:

Unit 1
Drug Development and Drug Safety
Adverse Drug Reactions
Drug Interactions
Pharmacogenetics
Topical, Herbal, Homeopathic and OTC Medications

Unit 2
Toxicokinetics and Toxicodynamics
Mechanisms of Toxicity
Carcinogenesis
Reproductive Toxicology
Drugs Affecting the Autonomic System

Unit 3
Analgesics
Antidepressants
Psychoactive Drugs
Pesticides
Animal and Plant Toxins

Unit 4
Diagnosis of Poisoning
Management of Poisoning (a)
Management of Poisoning (b)
Antidotes
Prevention of Poisoning

Unit 5
Regulatory Toxicology
Classification and Epidemiology of Poisoning
Risk Assessment and Risk Management
Analytical Toxicology
Forensic Toxicology

Unit 6
Risks in the Environment (1)
Risks in the Environment (2)
Industrial Toxicology (1)
Industrial Toxicology (2)
Chemical Incidents

During the course there will be an opportunity to attend a three day course organised by the Cardiff and Vale University Health Board entitled "Recent Advances in Medical Toxicology" in Cardiff in November 2010. Continual assessment and a final examination lead to the Diploma in Medical Toxicology in June 2011. Candidates who satisfactorily complete the Diploma course may be eligible to progress to the Masters course in the second year. Candidates will complete four assignments of 2,500 words. There is a non-assessed module on biostatistics. Finally, MSc candidates have to complete a 15,000 word dissertation.

Fee for Diploma 2010/11 has yet to be announced but is likely to be in the region of £2,649 (which includes the Recent Advances course).

Places are limited and early application is advised. For further details and an application form, please contact:

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