



The University of Sydney

22-24 February 2005
School of Public Health

Short course

Public Health Toxicology

This three day short course will provide training in public health toxicology. Toxicology, along with epidemiology and ecology, is one of the core disciplines used in environmental health. An understanding of the fundamental concepts of toxicology is essential in the interpretation and investigation of many environmental and public health issues, it underpins the discipline of health and environmental risk assessment, and is commonly used in guideline and standard setting and other regulatory processes. The course will cover the basic tenets of public health toxicology – dose-response, interpretation of animal studies, types of toxicants, system effects and the uses of toxicological data. It will include lectures, case studies and group discussions. The course draws on expertise in these areas from around Australia and will present on a number of investigations to contemporary problems.

Who should attend?

Anyone interested in furthering their knowledge in toxicology as it relates to health protection and the investigation of environmental and public health problems. It will be useful for public health and environmental health practitioners, other professionals working in the areas of health and environment, policy makers, scientists, academics, and students. It is also available for any adult in the general community to attend.

Topics covered:

- ❖ Fundamental concepts of toxicology
- ❖ Exposure and dose
- ❖ Metabolism & excretion
- ❖ Finding and evaluating toxicological information
- ❖ Animal studies
- ❖ Target organs
- ❖ Major classes of toxicants
- ❖ Exposure assessment
- ❖ Use of toxicology in risk assessment
- ❖ Regulatory toxicology
- ❖ Communicating risks of environmental exposures

Short course Public Health Toxicology

Learning outcomes

At the end of the short course students should be able to:

- Understand and apply the fundamental concepts of toxicology
- Find toxicological information relevant to any specific problem
- Understand the effects of the major classes of toxicants
- Interpret toxicological information from different sources and use it in investigating a problem
- Apply exposure scenarios to various situations
- Effectively combine toxicological and epidemiological data in risk characterisation
- Apply toxicological information in regulatory settings.

Speakers include:

Speakers are to be confirmed and will be advised at a later date.

Cost

Cost for the short course is \$900 inclusive of GST.

A discount of 20% will be offered to groups of five or more people enrolling together from the same organisation. The full course fee must be paid by 15 February 2005. Cancellation after this date will incur a fee of \$100 per person for administration.

Registration fee includes morning and afternoon teas.

Places are limited

Places are limited so it is recommended you apply early.

Auspice

This short course is part of a National Collaborative Program on the Atmospheric Environment and Health funded by the Commonwealth Department of Health and Ageing. The main collaborating institutions are: National Centre for Epidemiology and Population Health, Australian National University; School of Public Health, The University of Sydney; NSW Health; CSIRO Atmospheric Research; and the Bureau of Meteorology Research Centre.

Need to know more?

Ms Christine Cowie

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School of Public Health

The University of Sydney

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The provisional program will be available at <http://www.health.usyd.edu.au> and is subject to change.

Short course

Public Health Toxicology

Registration form

Tax Invoice University of Sydney ABN 15 211 513 464

Name.....

Organisation.....

Position.....

Postal Address.....

Tel..... Fax.....

Email.....

I wish to pay by:

Cheque (payable to School of Public Health, University of Sydney)

Credit card (Visa, Mastercard or Bankcard only)

Name on card:.....

Card number:.....

Expiry date

Signature

Date: / /

Please mail/fax this form with payment to:

Ms Vicki Williams

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Fax: 02 9351 7420