

Principles of Toxicology, Toxicity Testing and Safety Evaluation



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Programme	Annual International Training Course, Thai International Cooperation Programme
Course Title	Principles of Toxicology, Toxicity Testing and Safety Evaluation
Duration	January - March, 2007 (4 Weeks) *
Closing Date for Application	November 17, 2006
Number of Participants	20
Invited Countries	Afghanistan, Bangladesh, Bhutan, Cambodia, China, India, Indonesia, Iran, Jordan, Lao PDR, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Pakistan, The Philippines, Sri Lanka, Timor Leste, Vietnam and Thailand *

* Subject to change by further notifications

Objectives

- to provide basic knowledge in principles of toxicology required for management of chemicals and protection of health;
- to update trainees on current developments in toxicology.

Qualifications

- age; less than 50 years old;
- related vocational history; more than 2 years (the course requires basic knowledge in chemistry, biological sciences, medicine or engineering);
- education; equivalent to a bachelor degree of university/technical college;
- language; proficiency in English (speaking, reading and writing).

Course Content

The course covers the fundamentals and principles of toxicology and their applications in evaluating the safety of chemicals. These include dose-response relationships; types of harmful effects; mechanisms involved in chemical actions from the entrance of chemicals into the body until excretion; toxicokinetics; activation and detoxification mechanisms; biologic and chemical factors that influence toxicity; mechanisms of carcinogenesis and mutagenesis, target organ toxicology; toxicity testings and safety evaluation.

Topics to be covered

- General Principles of Toxicology
- Chemical carcinogenesis and mutagenesis
- Toxicity Testings
- Safety Evaluation

Institution

The course will be conducted by:

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