

## Introduction to Nanomaterial Safety: UNITAR E-Learning Course 27 October – 15 December 2014

### Background

Nanomaterials have a range of novel properties enabling many new useful applications in medicine, environmental clean-up, energy production and material technology to name a few. The special properties of nanomaterials however, can also be a challenge, because these materials might have different implications for human health or the environment compared to traditional chemicals.

This e-Learning course provides interested stakeholders with an introduction to the “sound management of manufactured nanomaterials”. The course has been developed by UNITAR based on work under the Strategic Approach to International Chemicals Management (SAICM) and international organizations, such as the Organization for Economic Cooperation and Development.

### Target Groups

Individuals from the following groups may be interested in taking the course:

- Civil servants in national Ministries, provincial departments and local authorities
- Environmental and occupational safety managers in private sector and civil society organizations
- Industry and SME representatives of companies which already produce or intend to produce products containing nanomaterials
- Faculty, researchers and students
- Interested citizens

### Learning Objectives

Participants will learn about global, national and sector-specific issues and begin to develop basic skills for recognizing safety concerns and learning about risk management approaches to manufactured nanomaterials. No prerequisite or prior knowledge is needed to take the course.

After completing the course, participants will:

- Acquire knowledge on properties, uses, and safety issues of nano-containing products
- Classify hazard, exposure and risk assessment, and options
- Identify opportunities and challenges to regulate nanomaterials
- Discuss international and national regulatory approaches
- Recognise applications of nanomaterials and its uses to improve global environmental, public health, and safety issues

### Methodology

The course is internet-based, and places emphasis on online discussions and self-paced learning to accommodate professionals in full-time work. Moderated by course facilitators who are experts in the field, the total number of learning hours is 35 hours over a 7 week period. Specific course features include:

- Self-paced learning
- Case studies, practical exercises, and tests
- Moderated discussions and interactions
- Additional resources (books, articles, documents, and websites)

### Course Fee and Registration

The course participation fee is USD 600. A UNITAR certificate will be given upon successful completion of the course.

Registration deadline: **23 October 2014**

Register at:

<https://www.unitar.org/event/introduction-nanomaterial-safety-unitar-e-learning-course>

Contact: [cwm@unitar.org](mailto:cwm@unitar.org)