



Society for Chemical Hazard Communication

Professional Development Training

Toxicology for Hazard Communication

Saturday, September 22, 2012

Crystal Gateway Marriott Hotel
Arlington, Virginia

COURSE DESCRIPTION

This course is designed to provide an overview of the principles of toxicology as they relate to hazard communication. An emphasis is placed on toxicologic principles that directly apply to OSHA health hazards as defined in Appendix A of 29 CFR §1910.1200. The goal of this course is to provide participants with a basic understanding of the principles of toxicology and the processes by which chemicals produce adverse health effects. The course is based on an organ and system approach to toxicology. This approach first involves an understanding of normal organ and system structure, function, and capacity. This is then followed by an assessment of how specific chemicals alter one or more of these parameters to produce adverse health effects. The skills developed in this course will better allow participants to understand and/or participate in the toxicologic aspects of hazard determinations and risk assessments. This course has been updated to align with OSHA HazCom 2012.

This is a basic course and there are no prerequisites. However, it is recommended that participants have a basic understanding of human anatomy and physiology (*i.e.*, college biology).

COURSE DIRECTOR:



Robert Skoglund, Ph.D., DABT, CIH

Dr. Skoglund is a Senior Laboratory Manager at the 3M Company. His primary responsibilities include corporate oversight of material EHS issues including global hazard communication and other applied and regulatory toxicology issues and programs.

COURSE INSTRUCTOR:



Hillary Carpenter, Ph.D.

Dr. Carpenter is a Toxicologist at the Minnesota Department of Health in St. Paul, Minnesota. His primary responsibilities include conducting human health and environmental risk assessments. In addition he is involved with the development of health-based toxicity values for environmental contaminants such as industrial chemicals, pesticides and metals. Dr. Carpenter also provides toxicological support for the Minnesota Fish Consumption Advisory Program.

**COURSE
INSTRUCTOR:**



Catherine F. Jacobson, Ph.D., DABT

Dr. Jacobson is a Senior Toxicology Specialist at 3M Company. Her primary responsibilities include assessing the human health hazards and risks of raw materials, intermediates, and products for several 3M business units. In addition, she is responsible for authoring hazard communication documents, tracking emerging material EHS regulations, and developing comprehensive health hazard profiles for substances important to 3M.

**COURSE
INSTRUCTOR:**



Robert Roy, Ph.D., DABT

Dr. Roy is a Lead Toxicology Specialist at 3M in St. Paul, Minnesota. His primary responsibilities include assessing the human health hazards and safety of products and other materials for several 3M business units. In addition he plays a leadership role in 3M Occupational Exposure Guideline development; California Proposition 65 compliance; consumer product labels; and hazard determination, hazard communication, and risk assessment issues.

**INTENDED
AUDIENCE**

Hazard communication professionals looking to strengthen their understanding of toxicology and to broaden their hazard determination and risk assessment skills.

COURSE FEE:

\$400.00 MEMBERS
\$490.00 NON-MEMBERS

**COURSE
TOPICS
AND
SCHEDULE**

*Subject
to
change*

Saturday, September 22, 2012

- 7:30 - 8:00 **Registration** (continental Breakfast provided)
- 8:00 - 9:10 Introduction
Principles of Toxicology
- 9:10 - 9:25 **Break**
- 9:25 - 10:35 Toxicology of the Endocrine System
Toxicology of the Hematopoietic System
Toxicology of the Immune System
- 10:35 - 10:50 **Break**
- 10:50 - 12:00 Toxicology of the Respiratory System
Toxicology of the Reproductive System
Developmental Toxicology
- 12:00 - 1:00 **Lunch** (provided)
- 1:00 - 2:10 Toxicology of the Cardiovascular System
Toxicology of the Nervous System
Genotoxicity, Mutagenicity, and Carcinogenicity
- 2:10 - 2:25 **Break**
- 2:25 - 3:35 Toxicology of the Liver
Toxicology of the Kidney
Toxicology of the Eye
- 3:35 - 3:50 **Break**
- 3:50 - 5:00 Toxicology of the Skin
Toxicology of Miscellaneous Target Organs and Systems
Information Resources

REGISTRATION

- Admission to the course will be on a first come basis. Reserve space and obtain a registration number from the SCHC office by contacting Lori Chaplin at schc.lori@verizon.net or 703/658-9246. To avoid disappointment, do not send payment until a confirmation number has been obtained. Course fee is \$400.00 for SCHC Members and \$490.00 for nonmembers, and includes notebooks. Payment must be received by August 17, 2012 to secure your space. Space is limited.

TO REGISTER

- Fill out the registration form located on SCHC's website:
<http://www.schc.org>
- SCHC accepts checks, Visa, MasterCard and American Express.

**CANCELLATION
POLICY**

- No refunds will be given after August 17, 2012. No one will be admitted to the course unless all fees have been paid in advance. Substitutions are permitted. Every effort has been made to ensure the information in this brochure is accurate. SCHC reserves the right to modify this course without prior notice or to cancel the course 30 days prior to the course date. In the event this course is canceled, SCHC's obligation is limited to a full refund of the course fee.

**HOTEL
ACCOMMODATIONS**

- Arrangements have been made for a block of rooms at the Crystal Gateway Marriott Hotel, 1700 Jefferson Davis Highway, Arlington, Virginia 22202 (703/920-3230). The rate is \$179/night through August 17, 2012. You must identify yourself with SCHC when making reservations – group code sccscca.