



## Society for Chemical Hazard Communication Professional Development Training

### Toxicology for Hazard Communication

Sunday, September 27, 2015  
Marriott Crystal Gateway 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, as updated by HazCom 2012. The goal of this course is to provide participants with an understanding of the principles of toxicology and the mechanism by which chemicals produce adverse health effects, in order to provide a foundation upon which hazard classification skills can be developed. The course is based on an organ and system approach to toxicology. This involves an understanding of normal organ and system structure, function, and capacity, followed by an assessment of how specific chemicals can 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 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).

#### Intended Audience

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

#### Course Director/Instructor



**Robert Skoglund, Ph.D., DABT, CIH**

Dr Skoglund is presently working on special projects at 3M including the hazard classification of base chemicals, the development of occupational exposure limits, and the assessment of downstream user obligations under EU REACH.



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**Course Instructor**



**Hillary Carpenter, Ph.D.**

Dr. Carpenter is retired from being a Toxicologist at the Minnesota Department of Health in St. Paul, Minnesota. His primary responsibilities included the conducting human health and ecological risk assessments. In addition he was involved with the development of health-based toxicity values for environmental contaminants such as industrial chemicals, pesticides and metals. Dr. Carpenter also provided 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 the 3M Company. Her primary responsibilities include assessing the human health hazards and risks of products and other materials for several 3M business units. In addition, she is responsible for authoring of 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 leads the development of the 3M Occupational Exposure Guidelines; and plays a leadership role for California Proposition 65 compliance, consumer product labels, and hazard determination, hazard communication, and human risk assessment issues.

**Course Fee**

\$400.00 for members  
\$490.00 for non-members



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**Course Topics and Schedule (Subject to Change)**

**Sunday, September 27, 2015**

7:30 – 8:00	Registration / Continental Breakfast
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



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**Registration**

Admission to the course will be on a first come basis. Payment must be received by August 28, 2015, to secure your space. Space is limited.

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 28, 2015. 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 Marriott Crystal Gateway Hotel – 1700 Jefferson Davis Highway, Arlington, Virginia 22202 (703.920.3230). The rate is \$184/night single or double occupancy through September 4, 2015. You must identify yourself with SCHC by using Group code chemical hazard when making reservations.