

**DEPARTMENT OF MATERIALS SCIENCE
AND
ENGINEERING**

SESSION I

2015

IN-PERSON SAFETY TRAINING PROGRAM

FOR

NEW POSTGRADUATE RESEARCHERS (CHE 2222H)

Tuesday, Sept. 08, 2015; 9:10 a.m. to Noon; WB-116

	<u>Time</u>	<u>Speaker</u>
1. Introduction: purpose, duties, responsibilities, legal aspects	9:10-9:20	D.G. Allen
2. UoT Env. Health and Safety – Overview and programs	9:20-9:30	M. Drouin
3. Safe Handling of Liquid Nitrogen	9:30-9:50	G. Shirtliff-Hinds
4. The Safety Program in the Department of Chemical Engineering and Applied Chemistry	9:50-10:40	B.A. Saville
B R E A K	10:40-10:50	
5. WHMIS (Video)	10:50-11:15	
6. Safety Assessment, Use of Designated Substances	11:15-Noon	B.A. Saville

SESSION II

2015

ON-LINE SAFETY TRAINING PROGRAM

FOR

NEW POSTGRADUATE RESEARCHERS (CHE 2222H)

<http://healthandsafety.chem-eng.utoronto.ca>

1. * Environmental Health and Safety – Basic Health and Safety Awareness (EHS 002) - requires EH&S Course Registration
2. * Environmental Health and Safety – WHMIS Training (EHS 005)– required EH&S Course Registration
3. WHMIS – MSDSs
4. WHMIS – Labelling
5. Emergency Procedures and Personal Protective Equipment
6. Electrical Hazards, & IT Security
7. Handling Hazardous Chemicals
8. Equipment Design: materials selection, corrosion
9. Waste Disposal, Solvent Storage and Transportation
10. Ventilation, Fumehoods
11. Pressure Vessels
12. Compressed Gases
13. Fire Extinguishers
14. First Aid
15. Ionizing Radiation
16. Chemical Reaction Hazards
17. Flashpoint
18. Toxicology
19. Working with Glass
20. Non-Ionizing Radiation: U.V., Microwaves
21. An Introduction to Bio-hazards
22. U.S. Chemical Safety Board Videos

* EHS Training Course – Session Details attached.

* Result of EHS002 and EHS005 Courses grade showing successful completion must be attached to the completed Research Registration Form for submission to Ms. Jody Prentice, MSE Dept., WB-140.

SESSION III – EVALUATION EXAMINATION

Date, time and location (TBA)