



Student Groups Health and Safety Orientation

Training

All students working on project teams must take WHMIS training. The link below will take you to the OHS training webpage.

<http://www.uwo.ca/hr/learning/required/index.html>

In addition to this specific workplace training may be required for your project. Example – shop safety training is required in order to use the student machine shop.

Personal Protective Equipment

Safety glasses are must be worn in all lab/workshop areas at all times. For those doing work requiring respiratory protection. Respirators are purchased through UWO Health and Safety. All respirator users must be fit tested annually. Respirators must not be shared. Health and safety can assist in determining the appropriate cartridges for you application and can do the fit testing. See the following link:

http://www.uwo.ca/hr/safety/topics/protective_equipment.html

Hearing protection can also be purchased through UWO Health and safety. Like respirators each worker must have his own hearing protection. See the following link:

<http://www.uwo.ca/hr/safety/topics/noise.html>

Gloves are available through various suppliers. It is extremely important that the gloves you are using properly protect you from the hazards. See the following link for glove selection information:

http://www.uwo.ca/hr/form_doc/health_safety/doc/procedures/glove_appendix.pdf

See the following link for a glove selection tool from Best Glove:

<http://www.showabestglove.com/site/chemrest/default.aspx>

Ceiling Spaces

Ceiling spaces are strictly off limits to all Faculty of Engineering Staff, Faculty and Students. Many of these spaces contain sprayed asbestos fireproofing and therefore special precautions are required to access these spaces. Only Physical plant staff have the training to safely access ceiling spaces.

Flammable and Combustible liquids

There are specific regulations with respect to the handling and storage of flammable and combustible liquids. Flammable and combustible liquids are defined by their flashpoint. All flammable and combustible liquids must be stored inside of a flammable solvent storage cabinet when not in use. Dispensing of flammable and combustible liquids must be done inside of a properly functioning fumehood. Containers of flammable and combustible liquids greater than 5-L in volume are not allowed. For more information see the link below:

http://www.uwo.ca/hr/safety/topics/lab/flammable_combustible.html

Gas Cylinders

Gas cylinders must be secured in an upright position at all times while in storage or in use. Cylinders that have the safety cap in place may be “gang chained” while cylinders that do not have a safety cap in place must be secured individually. Gas cylinders must only be transported on a proper gas cylinder cart (available in Eng Stores SEB 14). The safety cap must be in place whenever gas cylinders are moved.

Pressure regulators are specific to the gas or family of gases that they were designed for. Regulators and cylinders are designed with various types of fittings to prevent using a regulator with the wrong gas. Never attempt to adapt a regulator to a cylinder if it does not fit. The fittings should seal without the use of Teflon tape or any other type of sealant. If you cannot get a regulator to seal it must be replaced. For more info click the link below:

<http://www.uwo.ca/hr/safety/topics/lab/gases.html>

Food and Drink in Workshops/Labs

No food or drink may be stored, or consumed in an area where hazardous chemicals are stored or in use. This means all workshops and laboratory areas.

Fire Extinguishers

All Laboratories and workshops are equipped with “ABC” type fire extinguishers. These extinguishers may be used on the following types of fires:

Combustible solids fire
Flammable liquid fire
Electrical fire

They will not work on a combustible metal fire (type D). An example of a combustible metal is magnesium. If you are working with any combustible metals in your area please contact Mike Gaylard for specific work procedures and to obtain a class “D” fire extinguisher.

If a fire starts in your area, always pull the nearest fire alarm BEFORE attempting to use a fire extinguisher. Only attempt to extinguish a fire if you have been trained in using a fire extinguisher and it is safe to do so. Otherwise evacuate the building and meet emergency crews in front of the building.

Emergencies

For any emergency Dial 911 from any campus phone. This will connect you to Campus Police who will then dispatch the appropriate emergency services (Police, Fire, Ambulance, SERT).

For any Questions/concerns regarding Health and Safety please contact:

Mike Gaylard
X88292
Cell: 519-617-0958
e-mail: mgaylard@eng.uwo.ca