

Lab training checklist
Winter Labs CBEC Labs 440
Rev. 1
1/1/2015

New students entering the Winter lab should be trained in methods to properly deal with the following hazards:

General

- Name of lab safety officer
- Name of Chemical Hygiene Officer
- Chycomm
- CHP and Wiki
- Location of MSDS sheets and Chemical Inventory
- Dress code
- Contaminate clothing disposal policy

Chemical Lab (main area in CBEC 440)

- Location of spill kits
- Location of first aid kits
- Location of eyewash and safety showers
- Location of fire extinguisher
- Emergency exit and evacuation routes
- Non-exit doors
- Designated carcinogen and toxic chemical areas.
- Chemical storage and waste locations
- General lab safety procedures for organic chemistry
- Safe use of anaerobic glove box, proper storage and handling of materials in the glove box.
- Safe use of anaerobic gas/vacuum manifold, proper handling of materials connected to the manifold.
- Proper storage and handling of organic and chlorinated organic waste.
- Proper storage and cleaning of organic glassware.
- Proper handling of carcinogenic materials, including cadmium based compounds.
- Proper handling of materials with unknown hazards, including nanomaterials.
- Proper storage and handling of teratogens, including formaldehyde.
- Safe handling of vacuum systems: rotary evaporator, vacuum oven, vacuum manifold.
- Proper avoidance of sound hazard from sonication systems.
- Proper protection procedure for systems employing UV light, including UV lamps and fluorescence microscope.
- Safe handling procedures for cryo agents, including liquid nitrogen and dry ice.
- Safe handling, storage and transportation of gas cylinders.
- Proper handling and storage of flammable and explosive chemicals.

- Proper procedures for operating ovens.
- Proper procedure for operating centrifuges.

Bio Lab (440B)

- Proper storage and handling of Level 1 and 2 biohazards, including cultured cells, cultured animal tissue, and biomolecule solutions related to their culture.
- Safe procedures for operating an autoclave.
- Safe procedures for utilizing cryostorage, cryo dewer and -80 C freezer.
- Safe handling, storage and transportation of gas cylinders.
- Safe handling procedures for cultured animal cells and tissue.
- Safe handling of vacuum systems, including aspiration of biohazard solutions.

**I certify that _____(print)_was trained by me
_____(print) and completed the above checklist on ___/___/___
(date).**

_____(sign) **trainer**

_____(sign) **trainee**