Instructor Information

office hours: by arrangement
email: holly.thompson@umontana.edu     office: Chem 402
lectures:  F 11-11:50 pm   Chem 204

Course Description

CHMY 485 introduces the various types of hazards found in laboratories, methods for controlling laboratory hazards, legal responsibilities and sources of information about these issues. The course is focused primarily on preparing students to safely teach middle school and high school science classes.

Course Materials

There is no text for Chmy 485. Course materials will be handed out in class.

Assessment

Grades will be based on class attendance (40 pts), the SDS quiz (10 pts), the worksheet on safe handling of chemicals (25 pts) and safety notebook based on notes from class plus student comments and questions (25 pts), for a total of 100 possible pts. Letter grades will be determined from the point total using 90.0%, 80.0%, 70.0% and 60.0% as cutoffs for A, B, C and D, respectively.

1. class attendance  40 pts

There are 13 classes plus the final exam meeting time. Everyone starts with 40 attendance points. One absence during the semester will be excused if you show me notes you have copied from another student who attended the class. Further absences will be penalized at 10 pts per absence.

2. SDS Quiz  10 pts

Short quiz on safety data sheets and interpretation of information found in SDSs.

3. take-home worksheet on safe handling of chemicals  25 pts

The worksheet will cover procedures for safe handling, storage and disposal of chemicals, and will include some extended problem solving.

4. safety notebook  25 pts

Safety notebook consists of handouts and the notes that you take during class.
### Course Schedule

* The schedule is subject to rearrangement based on availability of Missoula fire fighters for fire extinguisher practice.

- **week 1**  09/02  introduction, role of supervisor/classroom teacher, legal & ethical issues
- **week 2**  09/09  controlling behavior in the classroom
- **week 3**  09/16  safe handling of chemicals-MSDSs
- **week 4**  09/23  MSDS quiz, safe handling of chemicals
- **week 5**  09/30  safe handling of chemicals
- **week 6**  10/07  fire hazard issues
- **week 7**  10/14  Fire Extinguisher Practice (behind Physical Plant)*
- **week 8**  10/21  safe handling of chemicals
- **week 9**  10/28  worksheet on safe handling of chemicals due today personal protection equipment
- **week 10**  11/04  laboratory safety equipment
- **week 11**  11/11  Veteran’s Day, no classes
- **week 12**  11/18  physical safety issues
- **week 13**  11/25  Thanksgiving Holiday
- **week 14**  12/02  safe handling of biological materials
- **week 15**  12/09  handling accidents, additional resources and information

**finals week**  12/14  8:10-10 am (Wednesday) scheduled final exam, notebook due wrap up any unfinished business as needed