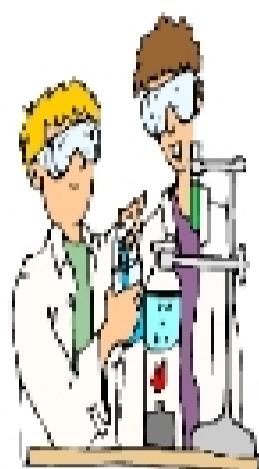


## Chemistry 125/126

**Welcome**  
**What? Why? How?**

Nancy Konigsberg Kerner  
nkerner@umich.edu



### Chemistry 125 vs 126?

#### CHEM.125/126

- Co-requisites with identical work and grades.
- One credit each for a total of two credits.
- Credit for TWO inorganic lab courses.

#### WAIT LISTS AND OVERRIDES

- Report to 1500 chem. (administrative office)
- Contact Debra Buck; debbuck@umich.edu

### Course Information

- An independent introductory gen chem course with its own lecture, lab, and discussion
- Labs and discussion on a given topic occur after pre-lab lecture.
- Instructors for lab and discussion are GSIs.

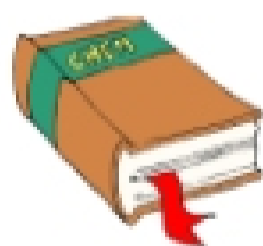
### Course Format

- Pre-lab lecture ( 1 hour) in 1800 chemistry
  - Discussion (1 or 0 hour) in lab room
  - Laboratory ( 2 or 3 hours) in lab room
- Labs = 3 hours if discussion is NOT held; labs = two hours when discussion is held
  - Discussions occur AFTER the lab experiment is done

### Required Materials

*Collaborative Investigations in Chemistry*,  
Nancy Konigsberg Kerner and James Penner-Hahn,  
Hayden McNeil Publishing, Inc., Fall 2010 edition

Supplies  
Lab Marking pens



### Web Sites

#### Ctools

- Course Information
- Resources: Lectures, Schedule, Exams, Review notes
- iTunes: Lecture Podcasts, Review Podcasts, Video Resources
- Lab data: Link to course website with evolving lab data

<http://www.umich.edu/~chem125>

### Lab Safety

- Contact Lenses may NOT be worn in lab.
- Goggles and aprons must be worn in lab.



### Lab Safety

- No open shoes -- sandals, thongs, etc
- Clothing should adequately cover your body – i.e. no shorts etc.
- Follow safety rules (pp.18-19, manual) at all times



### Special Needs

#### Special Safety Problems?

- Richard Giszczak; 1608 chem.
- richg@umich.edu



#### Special Needs or Concerns?

- Nancy Kerner; 3541 chem.
- nkerner@umich.edu
- Office hours:  
Tuesdays, 3-4 pm, Thursdays, 1-2 pm

### Chemistry 125/126 Grading

<b>TOTAL course points</b>	<b>500 points</b>
Lab and discussion (6)	300 points*
Exams (2)	150 pts
GSI/peer points	50 points
* See Course Information for lab and discussion point details	

- Points reward individual and team **efforts**.

Team % points	54 %
Individual % points	46 %

### Chemistry 125/126 Grading

- Grades based on explicit point criteria to establish mastery; there is NO grading on a curve

Fall 2010 guaranteed course letter grades:	
At least an A-	450 points
At least a B-	400 points
At least a C-	350 points
At least a D-	300 points

- Point grade cutoffs guaranteed.
- Points needed for a particular letter grade will not be increased *but may be lowered* if some aspect of grading is not equitable to prior terms.

### Lab Performance and Points

- Labs must be performed to earn points
- Miss two labs? Contact the course coordinator for permission to stay in the course.
- Makeup may be arranged informally with home GSI to be performed in his/her other section
- Formal makeup directives are in the back of your lab manual
- Participation in discussion is required to earn discussion points

### Lab Makeups

- When arranging a time/day for a makeup check the schedule of labs:

	Mon	Tues	Wed	Thurs	Fri
8-11				✓	✓
11-2	✓	✓	✓		✓
2-5		✓	✓	✓	

- The lab week runs from Wednesday thru Tuesday
- You will perform an individual (rather than team) makeup if your makeup occurs outside the lab week

### Earning Maximum Points

#### Team Reports

- The form in the manual is merely an outline.
- For maximum points respond to all questions in the experiment
- Refer to lab data to support conclusions
- Study the "Team Report Tips" in the manual
- Study the experiment grading rubrics

#### Discussion

- Study the Discussion Grading Rubrics

### Exams

- There is no final exam!
- There are **two hourly exams** (75 pts each):
  - Tuesday, November 9, 6:15 - 7:45 pm
  - Monday, December 13, 6:15 - 7:45 pm
- There are **alternate exams on the same days** for students with legal conflicts or students needing extended time



### Session One (September 8 - 14)

- Introductions
- Team Assignment Survey Form, manual, page 4

#### Break

- Team assignments
- Check-In
- Team Task Exercise, pages 5- 7
- Team Task Schedule, page 8
- Periodic Table Scavenger Hunt, pages 12-15
- Safety and Scavenger Hunt, pages 18 - 20

### Pre-lab Prep and Schedule

(Manual, pages 239 - 240)

Experiment Topics	Pre-lab lecture	Pre-lab Reading Pages	Lab Points
Check-in	9/7 (300 sections)		
Safety Hunt	9/7 (200 sections)		
Team Task	9/9 (100 sections)	1-21	
Periodic Table Hunt		230-243	

### Pre-lab Prep and Schedule

Experiment Topics	Pre-lab Lecture	Pre-lab Reading Pages	Lab Points
Experiment 1: Precipitation and Water Purity	9/14 (300 sections) 9/14 (200 sections) 9/16 (100 sections)	22-53 190-191 208-211	35

The Pre-lab report (page 38) for experiment 1:

- requires work on the Internet
- is due at the start of experiment 1.