

CHM 115 Inorganic and Environmental Chemistry Laboratory  
Section 12  
Summer Session I 2008

**Course Information**

Lab Time: 1:00-2:50 PM, Tuesday and Thursday

Lab Location: Room 107, CFS (Chemistry and Forensic Science Building).

**Instructor**

Name: Dr. Chi Chung Yu (Jorn Yu)

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**Textbook:** Chemistry 115 Laboratory Manual

**Teaching Assistant:** Daniel Moore, e-mail: [djm009@shsu.edu](mailto:djm009@shsu.edu)

**Course Description:** Laboratory for CHM 135. Concurrent enrollment in CHM 135 is recommended. Credit 1.

**Prior to the Lab**

Eye protection is required in all labs during every experiment. You must have a **pair of Department-approved safety goggles**. Safety goggles can be purchased from the Chemistry Club (Room 310, in the Chemistry and Forensic Science Building) or home improvement stores like Home Depot. Failure to wear approved eye wear will result in expulsion from the lab and forfeiture of the lab points for that day. Also, 20% of the day's laboratory grade may be deducted for each time you are reminded to properly wear your safety goggles. **No open toe shoes or shorts allowed in laboratory**. If you do not follow these guidelines, you will be required to leave the lab and will receive a zero for that lab.

**Schedule of Experiments**

| Lab Day | Experiment #                    | Title  |
|---------|---------------------------------|--|
| June 5  | Check-In, Exp#1, and Exp#2 Quiz | The Bunsen Burner & Measuring Length and Volume          |
| June 10 | Exp#3, and Exp#4 Quiz           | Measuring Density and Viscosity & Separation of Mixtures |
| June 12 | Exp#7, and Exp#8 Quiz           | Paper Chromatography & Extraction and Recrystallization  |
| June 17 | Exp#9, and Exp#10 Quiz          | Calorimetry & Chemical Reactions                         |
| June 19 | Exp#11, and Exp#14 Quiz         | Acid and Bases & Electrolytes and Nonelectrolytes        |
| June 24 | Exp#19, and Exp#23 Quiz         | Calorimetry (2) and Gases                                |
| June 26 | Lab Final, and check-out        | Exam on Exp 1,2,3,4,7,8,9,10,11,14,19, 23.               |

## Absences

You are expected to attend all labs. Due to the reduced number of laboratory times in the summer sessions, there is no allowance for absences. **Any absence will be recorded as a zero for that lab session.**

## Tardiness

The nature of a laboratory class requires that you arrive on time. Quizzes are given at the beginning of the Laboratory session followed by instructions from the TA or Instructor which you will need to successfully complete the laboratory activity. **There are no make-ups for quizzes or laboratories.** Any missed lab activity will be recorded as zero.

## Testing in This Course

You should read the laboratory procedure to be performed and look at the questions you will be asked to answer. It will be very helpful to consult your lecture textbook for more information. It is also important to review the previous laboratory experiments as they will be the topic for **quizzes** and the **final**.

Except for the first quiz, all quizzes will be at the beginning of the lab period. If you are late and miss the quiz, you will receive a zero for the quiz. The first quiz will be given at the end of the lab period.

## Grading in This Course

The grade for this course will be based on **attending and completing the lab activities, quizzes and the final**. Below is the break down of scores.

|  |     |
|--|-----|
| Attendance and Active Participation: 5 for each lab x 6 labs = | 30  |
| Quizzes: 7 for each quiz x 6 labs =                            | 42  |
| Final (Exp# 1,2,3,4,7,8,9,10,11,14,19,23)                      | 28  |
| Total  | 100 |

### Grade scale:

|          |   |
|----------|---|
| 90 – 100 | A |
| 80 – 89  | B |
| 70 – 79  | C |
| 60 – 69  | D |
| Below 60 | F |