

# Course Information and Polices

General Chemistry 2009–2010

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**Class Location** Science Building Room 3  
**Help Hours** By appointments

## Course Objectives

Welcome to the General Chemistry! This course will expose you to the central topics, fundamental principles and applications in modern chemistry that impacts many aspects our daily live. The topics include modern atomic theories, electron configuration, chemical bonds, molecular geometry, solution and properties, chemical reactions & patterns, acids & bases, REDOX reactions & electrochemistry, nuclear chemistry, organic & biochemistry. You will exercise your minds with solving chemical problems, and occupy your hands with numerous laboratory experimentations.

$$SUCCES = [enjoyment^2 + practicing^3 + experimenting^4]^{n=your\_will\_power}$$

## Course Activities and Evaluations

Some class activities – such as a lab report, a project and a test – might be assigned or occur concurrently although always with different due days. You need to coordinate your schedules to complete these tasks.

Course Evaluation: General Chemistry 2009–2010

|          | TYPE                   | %   | FREQUENCY      | COMMENTS   |
|----------|------------------------|-----|----------------|--|
| QUARTER  | Quiz                   | 15  | 1–2 per week   | <ul style="list-style-type: none"> <li>10 minutes - previous day material &amp; reading</li> <li>may drop the lowest one</li> </ul>          |
|          | Unit Test & Project    | 40  | 2–3            | <ul style="list-style-type: none"> <li>an entire class period</li> <li>non-accumulative: from the current unit(s)</li> </ul>                 |
|          | Lab Work               | 30  | Weekly         | <ul style="list-style-type: none"> <li>lab worksheet in the manual</li> <li>lab report</li> </ul>  |
|          | Homework & Class work  | 15  | Daily & weekly | <ul style="list-style-type: none"> <li>homework assigned by lecturing unit</li> <li>classwork assigned as worksheet &amp; package</li> </ul> |
| SEMESTER | Exam: Midterm or Final | 20  | 1              | <ul style="list-style-type: none"> <li>2 hours</li> <li>accumulative</li> </ul>  |
|          | Field Trip             | Lab | 1              | <ul style="list-style-type: none"> <li>part of the lab grade</li> </ul>  |

### **Avoidable Things That May Affect A Good Grade of a Homework, a quiz and a Test**

- ☑ Not turning in your work on time
  - Homework: 100% off after its due
- ☑ Not follow the requirements
  - Visually messy
  - Not showing steps
  - No final unit(s)
  - Not enough precision
  - Not answering what essentially is asked for

### **Avoidable Things That May Affect A Good Grade of a Lab-work**

- ☑ Not turning your lab manual in on time
  - Lab work and report: one third off each day after its due
- ☑ Not following the instructions
  - Not completing data collection during the lab
  - No analyzed results based on the data
    - No final unit(s)
    - Not showing steps leading to the answer
    - Not enough precision
  - Not answering the end of lab questions and others questions imbedded thoroughly

### **Grading Policies**

#### *General Chemistry Grade Determination (by QAS)*

| <b>Accumulative % Grade</b> | <b>Corresponding Letter Grade</b> |
|-----------------------------|-----------------------------------|
| Above 92                    | A                                 |
| 90-92                       | A-                                |
| 87-89                       | B+                                |
| 83-86                       | B                                 |
| 80-82                       | B-                                |
| 77-79                       | C+                                |
| 73-76                       | C                                 |
| 70-72                       | C-                                |
| 67-69                       | D+                                |
| 63-66                       | D                                 |
| 60-62                       | D-                                |
| Below 60                    | F                                 |

## Occasions Affecting Grades & Actions to Take

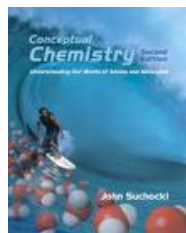
| Occasion                                   | Effects on Grade   | Remedies & Recommendations   |
|--|--|--|
| <b>Inexcusable late work</b>               | <ul style="list-style-type: none"> <li>Homework: 100% off after its due</li> <li>Lab work and report: one third off each day after its due day</li> <li>Redo work: 100% off after its due</li> </ul> | <ul style="list-style-type: none"> <li>turning in your work and RE-DO on time</li> </ul>   |
| <b>Tardiness</b>                           | Huge—missing the most critical course daily announcement and keynotes of the lecture   | <ul style="list-style-type: none"> <li>be on time</li> <li>lunch detention and/or grade deduction</li> </ul>   |
| <b>Excusable late work – short absence</b> | None if complying with Remedy & Recommendation   | <ul style="list-style-type: none"> <li>must see the instructor on the 1<sup>st</sup> day of return</li> <li>must start making-up missed labs on the 1<sup>st</sup> day of return</li> <li>may turn in the work late as many days as the absence</li> </ul> |
| <b>Excusable late work – long absence</b>  | In theory, none if complying with the Remedy & Recommendation.<br><i>AVOID LONG ABSENCE – Or you will have great difficulty to catch-up!</i>   | <ul style="list-style-type: none"> <li>must see the instructor on the 1<sup>st</sup> day of return to workout a catch-up <i>Timeline</i></li> <li>may turn in the missed following an approved <i>Timeline</i> by the instructor</li> </ul>                |
| <b>Classroom misconduct</b>                | May result in expulsion and bring cascading drops of the grade   | <ul style="list-style-type: none"> <li>behavioral modification/improvement</li> <li>detention and/or expulsion</li> </ul>  |

## Personal Supplies for Lectures & Labs

*Supply Check-list: What do you need daily in General Chemistry?*

| ITEMS                          | USAGE   | CHECKED???               |
|--------------------------------|---|--------------------------|
| <b>An inquisitive mind</b>     | <ul style="list-style-type: none"> <li>everything in this challenging course</li> </ul>   |                          |
| ★ <b>Textbook</b>              | <ul style="list-style-type: none"> <li>daily reading</li> <li>in class reference</li> <li>homework</li> </ul>   | <input type="checkbox"/> |
| <b>Lab Manual</b>              | <ul style="list-style-type: none"> <li>lab activities</li> <li>reference</li> <li>homework</li> </ul>   | <input type="checkbox"/> |
| ★ <b>One three-ring binder</b> | <ul style="list-style-type: none"> <li>handouts: lecture guides, worksheets</li> <li>assignments</li> <li>returning tests / quizzes/ exams</li> </ul> | <input type="checkbox"/> |
| <b>A scientific calculator</b> | <ul style="list-style-type: none"> <li>quantitative problem-solving</li> </ul>  | <input type="checkbox"/> |
| <b>A handful highlighters</b>  | <ul style="list-style-type: none"> <li>class activities</li> <li>daily reading</li> </ul>   | <input type="checkbox"/> |

### ★ Notes



#### Textbook

Conceptual Chemistry:  
Understanding Our World of Atoms  
and Molecules by John Suchocki  
2<sup>nd</sup> edition

#### Three-ring Binder

Designated only for Chemistry with sections clearly labeled. Since materials will accumulate ‘explosively’, good organization will carry you a long way.