COURSE DESCRIPTION
General College Chemistry 1135 is the first of a two-semester sequence in chemistry. The course requires, as prerequisites, a basic knowledge of chemical terminology and understanding along with an ability to perform simple algebraic manipulations.

The course is designed for the students entering fields of science as well as the pre-professional students in the many areas of engineering and medicine. Through the course, the student should widen his/her knowledge of the science that has had a tremendous influence in changing our environment. While chemistry has made our environment more comfortable, consideration should be given to adverse side effects on our ecology and how it is related to the students.

PROFESSOR/INSTRUCTOR INFORMATION
Name: Dr. Andrew Slagle
Title: Professor
Office Location: SM-125
Office Hours: Posted on web page and office door
Campus Phone Number: 405-733-7557
Campus E-mail Address: aslagle@rose.edu
Web Site: my.rose.edu/faculty/aslagle

COURSE INFORMATION
Prerequisite course(s) or skill(s): High School Chemistry and Intermediate College Algebra
Number/Course Title: CHEM 1135/General College Chemistry
Time/Location: SM-209

DELIVERY METHOD (Traditional/Lecture with Online Content and Online Homework Assignments)
CLASS COMPUTER USAGE
All course sections at RSC may be Web enhanced and require some level of access to a computer and the College utilized Learning Management System. Free access to computers is available to all enrolled students in the Learning Resources Center and in other Academic Division computer laboratories.

TEXTBOOK/SUPPLIES INFORMATION
• Mastering Chemistry Online Electronic Homework (Access code comes with new textbooks, or purchase access code online at http://MasteringChemistry.com)

Required supplies/materials: Laboratory Safety Goggles & Basic Scientific Calculator

CAMPUS-WIDE ASSESSMENT – Goal #1 – Critical Thinking
Students who have developed critical thinking skills will be able to demonstrate one or more of the following:

• to question and evaluate while reading;
• to comprehend complex ideas, data, and concepts;
• to make inferences based on careful observation;
• to draw conclusions based on specific and appropriate criteria;
• to problem solve using specific processes and techniques;
to interrelate significant ideas learned within subjects and disciplines, and apply them to life situations and problems;
- to formulate new ideas by synthesizing related and/or fragmented information;
- to apply knowledge and understanding to different contexts, situations, and/or specific endeavors; and,
- to recognize the need to acquire new information.

COURSE OBJECTIVES/EXPECTED OUTCOMES

Upon successful completion of the course the student should be able to:
1. Define and identify chemical terminology.
2. Recall symbols and chemical formulas.
3. Recognize and comprehend chemical theories and models as pertaining to:
   a) the atom
   b) formulas, equations, and mass balance
   c) types of bonding in molecules
   d) molecular geometry
   e) matter as solids, liquids, and gases
   f) transitions between phases
   g) solutions and colligative properties
4. Analyze and apply theories and models along with their relationships to solve problems.
5. Acquire fundamental laboratory techniques.

GRADING SCALE

Overall Letter Grades will be assigned based on percentage of total class points as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>≥90%</td>
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<tr>
<td>B</td>
<td>80-90%</td>
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<tr>
<td>C</td>
<td>70-80%</td>
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<tr>
<td>D</td>
<td>60-70%</td>
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<tr>
<td>F</td>
<td>&lt;60%</td>
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Exams (65%) The chapters from the textbook that we will cover are listed in the table below. After each unit is completed we will have a Unit Exam. The final exam is the last unit exam.

<table>
<thead>
<tr>
<th>Exam One</th>
<th>Exam Two</th>
<th>Exam Three</th>
<th>Exam Four</th>
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<tbody>
<tr>
<td>Chapter 1</td>
<td>Chapter 4</td>
<td>Chapter 6</td>
<td>Chapter 11</td>
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<td>Chapter 2</td>
<td>Chapter 10</td>
<td>Chapter 7</td>
<td>Chapter 12</td>
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<td>Chapter 3</td>
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<td>Chapter 8</td>
<td>Chapter 13</td>
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<td>Chapter 9</td>
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Laboratory (20%) Prelab assignments for every lab are due on lab day before lecture begins. Any assigned work turned in late might be worth half-credit unless graded work has already been returned to other students. Lab exams will be announced after every 3 or 4 lab periods. You will be able to use your lab reports for some lab exams, so it is important that you have completed your lab reports before the exam. A final lab average will be calculated as 40% of the average of all Prelab scores and 60% of the average of all lab exams. 20% of that final lab average will be added to the course grade total.

Mastering Chemistry Online Homework (15%)

IMPORTANT DATES TO REMEMBER

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Classes Begin:</td>
<td>23-Jan-2012</td>
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<tr>
<td>Last Day to Withdraw:</td>
<td>20-Apr-2012</td>
</tr>
<tr>
<td>Classes End:</td>
<td>12-May-2012</td>
</tr>
<tr>
<td>Final Exams:</td>
<td>14-May-2012 through 19-May-2012</td>
</tr>
</tbody>
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COURSE POLICIES

STUDENT RESPONSIBILITIES

Exams: Exams will be given during regular class time, except the last exam, which will be given during the Final Exam time scheduled in the Course Catalog. Exam dates will be announced in class at least one week prior. There are no makeup exams unless arranged prior to the scheduled exam.

Quizzes: Class quizzes will end 10 minutes after the start of class. Do not be late because there is no makeup quiz. Most quizzes will be announced the class period before. Some will be pop quizzes over material from previous class notes.

Homework: Textbook Homework: Problems from the end of the chapter in the textbook will be assigned, but hard-copy solutions will not be taken up for credit. Problems from the textbook will frequently be used for quizzes, as exam questions, and examples during recitation.

Attendance: Attendance is required by school policy. There will be no makeup exams, quizzes, or labs. If you must miss an exam, quiz or lab, contact your instructor as far in advance as possible to discuss possible alternatives.

Cell Phones: Please turn the things off before class.

Computers: No computers allowed during class.

- Electronic Communication
  - Electronic communication is the official means for communication to the students of Rose State College. The College will send communications to students via e-mail and will expect that those communications are received and read in a timely manner.
  - Thus, all Rose State College students are issued a student e-mail account. The College will direct all electronic communications to the college-issued e-mail address. Students should monitor the college assigned student e-mail account on a frequent and consistent basis in order to remain informed.

RECOMMENDED STUDY METHOD(S)
The best way to be successful in this course will be to solve the example exercises as you read through the chapter and solve the problems at the end of each chapter. When you are truly comfortable with your ability to solve those problems you should also be comfortable solving similar problems on exams or quizzes.

INSTITUTIONAL GRADING POLICIES
Ex.: Withdrawal, Incomplete Grade, Audit, etc. (See College Catalog)

STUDENT SUPPORT SERVICES
Rose State College complies with Section 504 of the Rehabilitation Act and The Americans with Disabilities Amendment Act (ADAAA). Students with disabilities who seek accommodations must make their request by contacting the Office of Disabilities Services, located in LRC 125 or call 733-7407. The student will be asked to provide documentation concerning the disability. All accommodations must be approved by the Office of Disability Services.
Academic Integrity

Rose State College expects students to understand and to follow basic standards of honesty and integrity. Some common violations of these basic standards of academic integrity include but are not limited to, plagiarism, cheating on tests and examinations, presenting work completed for one course as original work for another, and other forms of dishonest performance on college assignments, as explained below.

Plagiarism means the use of the thoughts, ideas, words, phrases or research of another person or source as one's own without explicit and accurate credit to the original author.

Cheating on examinations of any kind (quizzes, midterms, finals, etc.) includes copying another student's answers, exchanging information, using notes or books unless expressly permitted to do so by the instructor, or gaining access to examinations prior to the actual taking of such examinations.

Other examples of academic dishonesty include, but are not limited to, copying or preparing another person's work; or buying prepared papers.

Assisting anyone to engage in any of the violations described above qualifies as academic dishonesty.

All rules and standards of academic integrity apply equally to all electronic media, particularly all intranet and internet activities. This is especially true for any form of plagiarism, ranging from submission as one's own all or part of a paper obtained from an internet source to failure to cite properly an internet source.

TENTATIVE CLASS CALENDAR/Course Outline

No dates have been set for exams but they will be announced at least a week ahead of time.