CHEM 3A
Introduction to Chemistry
San Joaquin Delta College – 2004 Fall Semester

Course Information:
Instructor: Maureen A. Kane, Ph.D.
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Phone: TBA
Office Hours: By Appointment
Website: www.deltacollege.edu/emp/ckim (scroll down to Dr. Kane's Chem 3A Website link)

Course Objectives: This course is designed to meet the chemistry requirements for registered nursing, agriculture, home economics majors, and certain other majors in the biological sciences.
Prerequisites: Math level II; MATH 80 or MATH 83B, either with a grade of "C" or better.

Required Materials:
• Introductory Chemistry: A Foundation, 5th Ed. By S. Zumdahl
• Foundations of Chemistry in the Laboratory, current Ed. By Hein, Best, Miner, & Peisen
• Scientific Calculator
• Safety Goggles
• Lock for lab drawer

Optional Materials:
• Three ring binder or organizational device for course notes/handouts/exams/quizzes
• Solutions Guide to Introductory Chemistry: A Foundation By J.F. Hall
• Extra Problems / Examples in Chemistry 3A: Introduction to Chemistry By Barbara Demmons

Course Requirements and Grading
Lecture
The lecture component of the course will present the course concepts and sample problems. An outline of lecture topics is included. The outline is tentative and subject to change at the instructor’s discretion in order to meet the instructional goals of this course. Your attendance in lecture is essential to successful performance in the class.

Quizzes
There will be 12 short quizzes throughout the semester based on the homework and the lecture. Quizzes will be announced and the two lowest scores will be dropped at the end of the semester. Absence from more than two quizzes will result in a grade of zero being assigned. Quizzes are worth 10 points each.

Exams
Four hourly exams and a comprehensive final exam will be given. Hourly exams are worth 100 points each. The final exam is worth 200 points. See the class calendar for exam dates.

Laboratory Experiments and Exercises
The laboratory is a major component of this course (30% of your total grade). Attendance is REQUIRED. During the course of the laboratory experiment, you must get the instructor’s signature on your laboratory experiment data page. Any laboratory data page handed in without a signature will be considered cheating and will be an automatic zero. Only originals (no copies) of data pages will be accepted for a grade. Lab is intended to familiarize you with basic laboratory techniques, encourage exploration of the process of scientific inquiry, and illustrate concepts of chemistry. Completed experiments are worth a total of 15 points each. In addition to laboratory experiments, a number of laboratory exercises will be completed, each worth 15 points. Labs are due one week from the completion of the laboratory. There will be 13 experiments and 7 exercises for a total of 300 points.

Class Notes
Handouts may be given for material presented in class and/or for homework problems.
Problem Sets / Homework
Assigned homework is the MINIMUM suggested preparation for exams and quizzes in the lecture component of the course. The course focuses on the development of problem solving skills and successful completion of the problem sets is key to preparation for quizzes and exams.

Discussion Problem Solving
Laboratory sessions will sometimes include time for discussion of lecture topics and problem sets. Group problem solving and active discussion will be encouraged.

Make-Ups
Exams, quizzes, and lab exercises may NOT be made-up. If an unavoidable conflict exists, for example a death in the family, arrangements may be made. Keep in touch with me if a problem arises. Use email or use the phone!

Special Needs
If you have any special needs for accessibility or any other issues, please discuss with me so that appropriate accommodations may be made.

Grading
The total grade is made up of both the lecture and laboratory components of the course:
Lecture 70% (700 points)
Laboratory 30% (300 points)

A TENTATIVE breakdown of all the possible points:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points Each</th>
<th>Quantity</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hourly Exams</td>
<td>100</td>
<td>4</td>
<td>400</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200</td>
<td>1</td>
<td>200</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>Lab Experiments</td>
<td>20</td>
<td>9</td>
<td>180</td>
</tr>
<tr>
<td>Lab Exercises</td>
<td>15</td>
<td>8</td>
<td>120</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>1000</strong></td>
</tr>
</tbody>
</table>

Grade assignments will be made based on the following scale:

A = 90.0 % - 100 %
B = 78.0 % - 89.9 %
C = 65.0 % - 77.9 %
D = 50.0 % - 64.9 %
F = 0 % - 49.9 %

CLASSROOM and LABORATORY expectations:

- All students are expected to RESPECT themselves, one another, the instructor, the room, and the equipment. In turn, I will respect students and their academic needs and progress.
- REGULAR ATTENDANCE to lecture is expected, and attendance at laboratory periods is required. Time lost to tardiness to lab, quizzes, or exams cannot be made up.
- ACADEMIC INTEGRITY: Cheating or academic dishonesty of any kind will not be tolerated! The FIRST offense will result in the most severe consequences as outlined in the Student Handbook. The FIRST offense will result in a grade of zero on the item in question (will NOT be dropped). The SECOND offense will result in course failure. Please see the Student Handbook or Course Catalog for the college's definition of academic dishonesty and its consequences.
- SAFETY: All students are expected to abide by the safety rules in the laboratory. These will be discussed in detail in a separate handout. Note that safety glasses or goggles are required at all times in the laboratory.
- Please SILENCE mobile phones and pagers before entering the lab or classroom.