Catalog Course Description

Integrated lecture-laboratory. This course will be concerned with: (1) the rates at which chemical reactions occur (chemical kinetics), (2) the extent to which chemical reactions occur (chemical equilibria), (3) equilibria involving acids and bases, (4) aqueous ionic equilibria, (5) free energy and thermodynamics, (6) electrochemistry, and, time permitting, (7) radioactivity and nuclear chemistry. The laboratory portion of this course will involve a number of exercises that demonstrate and re-enforce the lecture material.

Course Policies and Procedures

The lecture portion of the course will consist of discussions of the basic material from the textbook as well as homework problems. Homework problems will be assigned via the website, Mastering Chemistry (www.masteringchemistry.com). The course title is: Course 7, and the course ID is: MCTAYLOR28622. This component of the course is included with the purchase of the text as a Student Access Kit. The topics and homework problems to be discussed in class will focus on those you find difficult, so it is essential that you read the sections and work on the assigned problems before the class period.

Recitation

The recitation section scheduled from 12:00-12:55 pm on Tuesdays will be used to administer weekly quizzes. NOTE: This section is scheduled for 203 O’Dowd Hall.

Laboratory

All students must register for one of the laboratory sections. If you are repeating this course you may be able to waive the laboratory portion of the current course. You may choose the laboratory scores from the first course if: (1) your average in the laboratory portion of that course was at least 75% and (2) you were enrolled in that course no more than three years ago. If you wish to apply for a laboratory waiver, you must complete a General Chemistry Laboratory Waiver form. These forms are available in the Department of Chemistry office, 260 Science and Engineering Building (SEB). This laboratory waiver form must be completed and returned to your current lecture instructor during the first week of the current semester. You must attend the laboratory portion of the course until the waiver is approved.
**Grading**

The grade for the course will be based on three hour examinations (100 points each), 8 of 9 quizzes (20 points each for a total of 160 points), the final exam (200 points), and the homework assignments (masteringchemistry, 100 points). The final exam will be comprehensive. All of the examinations and quizzes will be multiple choice format. You will be required to bring Scantron forms to these tests (Scantron form 882 for hour examinations and Final examination and Scantron form 815 for the quizzes). The exams and quizzes will account for 80% and the laboratory scores 20% of your final grade.

**Please note:** “Make-up” quizzes and/or hour examinations will be given under special circumstances but they will not be the multiple choice format. Such make-up quizzes or exams must be scheduled with the instructor. NO “lowest grade” will be dropped (except for the lowest quiz grade) and NO “extra credit” is available.

**Supplemental Instruction (SI) Classes**

The Academic Skills Center provides two additional class sessions per week outside of the scheduled lecture and recitation periods to students who are enrolled in this course. The times and days that these classes meet will be determined after polling the students in the class for the times/days that are most suited to their schedule. The classes will focus on course specific skills that help students review notes, understand and apply key concepts, prepare for tests and develop critical reasoning and problem solving skills. Attendance at these sessions is voluntary.

**Tutoring**

Free tutoring is available in the Academic Skills Center, 103 North Foundation Hall (NFH) (370-4215).

**Closing of the University**

If the University is officially closed on the day of a quiz or examination is scheduled, the quiz or exam will be given during the next scheduled lecture meeting.

**Academic Misconduct**

Although the vast majority of students at Oakland do not cheat, we would be naive to believe cheating does not occur. For the protection of the honest majority, the instructor will make every effort to prevent cheating. A student will be referred to the Academic Conduct Committee for review if the student is suspected of cheating by: (1) copying on quizzes/tests, (2) changing answers on answer sheets after they are scored (Note: scored Scantron answer forms are photocopied before they are returned.), (3) having another person take a quiz/test, or (4) obtaining quiz/test questions prior to the exam date. Students found guilty of academic misconduct face suspension or permanent dismissal from the university. For further details see the 2005-2006 Undergraduate Catalog, pages 80 and 81.

**Withdrawal**

The last day to officially withdraw from class is Tuesday, March 16.

**Class Attendance**

Attendance is not mandatory for the lecture portion of this course, however, you are responsible for all material presented in class. **Attendance is mandatory for all laboratory sessions.**