

**Advanced General Chemistry for Natural Sciences Teachers**  
**Chemistry 5070 Section 1**  
**Summer 2008**

- Course description: A non-calculus based course focusing on topics such as chemical equilibrium, chemical kinetics, thermodynamics and electrochemistry. Prerequisites: Two semesters of college chemistry or permission of the instructor. May be used for credit toward the M.S. in Natural Sciences degree only.
- Instructor: Dr. Barbara Lawrence  
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Phone: 581-2720  
Web page: <http://www.ux1.eiu.edu/~balawrence>  
E-mail: [balawrence@eiu.edu](mailto:balawrence@eiu.edu)
- Office hours: To be determined—based on student schedules. Or by appointment.
- Meeting times: MWF 7:30-9:35 AM -- Rooms 4120, 4020 Physical Science.
- Textbook: *Chemistry: a Molecular Approach* by Nivaldo J. Tro  
Solutions manual
- Homework: Learning to work problems in a systematic, orderly way is one of the most important aspects of learning General Chemistry. Exams and homework will be graded not only on the correct answer but also on being able to clearly show how you arrived at that answer.
- Homework will be assigned and graded. Students are encouraged to work together on the homework. If you do work with others on an assignment, I ask that you turn in one assignment per group. Please limit group size to three students. Solutions should clearly show method for solving the problems in easy-to read detail. You should also work problems in the textbook for more practice. The answer key has solutions for many problems.
- Exams: Two midterms and a final will be scheduled. The midterm exams will cover material as announced in class. The final will be cumulative. The final exam will be given during the scheduled class period on the last day of classes (July 18). Make-up exams are given only for documented reasons. If you know ahead of time that you must miss an exam, you must notify the instructor before the exam, as soon as possible.
- Exams will consist of short answers, multiple choice, and (mostly) problems. Emphasis will be placed on understanding the subject and learning to think effectively in solving scientific problems.
- Calculators : A calculator will be needed for homework assignments and exams. Make sure that your calculator is capable of handling scientific notation, exponents, and logarithms.

Grading: Each of the graded components of the course will have the following relative weights:

Homework	15%
Labs	25%
2 Midterms	30%
<u>Final</u>	<u>30%</u>
Total	100 %

Grading will be on the following scale--subject to change by the instructor:

88 -100%	A
78 - 87	B
68 -77	C
58- 67	D
0 - 57	F

Academic Integrity: It is assumed that academic honesty will be honored by all students. However, if a student is suspected of classroom cheating or plagiarism, the steps outlined in the online Graduate Catalog ([www.eiu.edu/~graduate](http://www.eiu.edu/~graduate)) will be followed.

Disabilities: If you have a documented disability and wish to discuss academic accommodations, please contact the instructor as soon as possible.

Laboratory: You will not need a laboratory notebook for the laboratory portion of the class. You will, however, need laboratory goggles that protect the sides of the face and are available in the University Book Store.